



Adolescent and Teenage Pregnancy Report Kansas, 2014

Research Summary

Kansas Department of Health and Environment
Division of Public Health
Bureau of Epidemiology and Public Health Informatics
Curtis State Office Building – 1000 SW Jackson, Topeka, KS, 66612-1354
<http://www.kdheks.gov/bephi/>
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This Research Summary Was Prepared By:

Kansas Department of Health and Environment
Susan Mosier, MD, Secretary and State Health Officer

Bureau of Epidemiology and Public Health Informatics
D. Charles Hunt, MPH, Director and State Epidemiologist
Elizabeth W. Saadi, PhD, Deputy Director and State Registrar

Prepared by: Cathryn Savage, PhD
David Oakley, MA
Greg Crawford, BA

Desktop Publishing by: Laurie Stanley

Data for this report were collected by:

Office of Vital Statistics
Kay Haug, Director

Our Vision – Healthy Kansans Living in Safe and Sustainable Environments

Our Mission – To protect and improve the health and environment of all Kansans

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Executive Summary

Maintaining and improving family health is an essential component of the state's public health mission. Teen pregnancy accounts for a sizable burden on society. According to the Centers for Disease Control and Prevention (CDC), it is a "winnable battle." The Kansas Department of Health and Environment (KDHE) prepares this report annually to provide data to support assessment and evaluation of teen pregnancies in Kansas. KDHE has a number of programs directed at reducing teen pregnancy.

Pregnancy rates among Kansas resident females aged 10-19 dropped by 6.4 percent from 2013 to 2014. Rates among females aged 10-17, 15-17 and 18-19 as individual age groups also dropped in 2014.

The 2014 Kansas pregnancy rate among females 15-17 years of age (13.6 per 1,000 female age-group population) compares favorably with the Healthy People 2020 national target of 36.2 pregnancies per 1,000 female age-group population. The state pregnancy rate for females aged 18-19 (58.6 per 1,000 age-group population) also compares favorably with the Healthy People 2020 national target of 105.9 pregnancies per 1,000 female age-group population.

While Kansas had lower teen pregnancy rates than the national targets, the state's birth rate for females aged 15-19 has consistently remained higher than the national rate. However, teen birth rates for both Kansas and the U.S. have been declining since 2008. In 2014, the Kansas rate decreased 6.8 percent, while the preliminary U.S. rate decreased 9.0 percent.

Disparities continue to exist among population groups in Kansas. For example, pregnancy rates examined in 2013 and 2014 showed Black non-Hispanic and Hispanic teens between the ages of 10-17 years were higher than the rate for White non-Hispanics of the same age group. However, in 2014 Hispanic and Black non-Hispanic pregnancy rates among 10-17 year-olds decreased 13.9 percent and 5.6 percent, respectively, from 2013 to 2014, while the comparable White non-Hispanic rate decreased 2.6 percent during that time period.

Introduction

Maintaining and improving family health is an essential component of the public health mission of KDHE. Facilitating healthy pregnancies and positive birth outcomes pays dividends to Kansas society in the form of reduced maternal and infant mortality and fit children capable of learning and growing into productive adults.

It is in this role that the department, through the Division of Public Health's Bureau of Epidemiology and Public Health Informatics (BEPHI), provides this report so progress in reducing adolescent and teen pregnancy can be monitored. The report, first produced in 1995, informs policy makers, local health departments, program managers, and the public on teen pregnancy outcomes and trends over the past 20 years. Statistics contained herein enable evaluation of progress on this public health issue and identification of emerging concerns.

Adolescent and teenage pregnancy accounts for more than \$9 billion per year in costs to U.S. taxpayers for increased health care and foster care, increased incarceration rates among children of teen parents and lower educational attainment and income among teen mothers [1]. Pregnancy and birth represent significant contributors to high school dropout rates among girls. About 50 percent of teen mothers receive a high school diploma by age 22 compared to 90 percent of women who did not give birth during adolescence [2]. The children of teenage mothers are more likely to have lower school achievement and to drop out of high school, have more health problems, be incarcerated at some time during adolescence, give birth as a teenager, and face unemployment as a young adult [3]. These effects remain for teenage mothers and their children even after adjusting for factors that can increase a teenager's risk of pregnancy, such as growing up in poverty, having parents with low levels of education, growing up in a single-parent family, and having low attachment to and performance in school [4].

The U.S. Centers for Disease Control and Prevention has declared teen pregnancy as one of its ten winnable battles in public health [5]. The nation's Healthy People 2020 objective is to reduce pregnancies among adolescent females aged 15-17 to 36.2 pregnancies per 1,000 female age-group population and females aged 18-19 to 105.9 per 1,000 female age-group population [6].

KDHE is active in a number of areas to reduce teen and adolescent pregnancies, including the Teen Pregnancy Targeted Case Management (TPTCM) Program and the Kansas Abstinence Education Program. The TPTCM program provides comprehensive case management services to pregnant or parenting adolescents in Kansas communities. Program goals are to 1) reduce negative consequences of teenage pregnancy for KanCare-enrolled teens and their children, 2) increase levels of self-sufficiency and goal-directness of participants, and 3) delay subsequent childbearing until completion of basic education or vocational training goals or until age 21. The Kansas Abstinence Education Program addresses teen pregnancy prevention by training child welfare agencies to provide education and training for foster, kinship, and adoptive parents as well as at-risk youth, ages 10-19, in out of home placements. [7] The training utilizes abstinence-based, evidence-informed curricula regarding healthy relationships, decision-making and youth development. KDHE, through its Bureau of Family Health, has set a goal to "reduce teenage pregnancy and resulting health, educational, economic and social consequences for mother and child". [8]

Methods

The BEPHI Office of Vital Statistics receives reports of live births, stillbirths, and abortions that occur in Kansas. Reporting of Kansas vital events to KDHE is mandated by law (K.S.A. 65-102, K.S.A. 65-2422b, K.S.A. 65-445). The filing of birth and death records began in 1911. Records of births to Kansas residents that occur in other states are received via Interstate Jurisdictional Exchange. All statistics reported are based on pregnancies among women who were Kansas residents at the time of birth or termination of pregnancy.

KDHE collects birth certificate information consistent with the 2003 U.S. Standard Certificates. Data collected since 2005 are based on the standard certificates as modified for use in Kansas. BEPHI uses an 18 month reporting period when creating an

analytical file. Thus all births that occur in a given year, reported during that year or the first six months of the year following, are included in the analytical file. Data used in this report are for 2014. The analytical file is considered 99.99 percent complete.

All vital event records undergo quality improvement processes. The Office of Vital Statistics staff manually review certificate information submitted electronically or on paper forms for missing or illogical information. In addition, the Vital Statistics Data Analysis staff performs computerized checks of the data on an ongoing basis and once prior to closing the analytical file. Corrections or imputation occurs to geographic information, sex of the child, and mother's age. See the technical notes for the *Kansas Annual Summary of Vital Statistics, 2014* for more information [9].

Statistical tabulations were created using SAS statistical software 9.3. Some of the tables contained in this report are also included in the *Kansas Annual Summary of Vital Statistics, 2014*. This is done to enhance the utility of this report to readers. In this report, the reader will also see a number of different combinations of age groups, i.e., 10-14, 10-17, 15-17, 18-19, and 10-19, used in the tabulations. This is done to provide the diverse audience of legislators, policy makers, media, program administrators, and the public who closely monitor pregnancy issues with a data summary that meets their needs. Findings tested for statistical significance will be noted in the Results and Discussion sections. P values less than 0.05 are reported as statistically significant.

For the purposes of this report "adolescent and teen" refers to persons who range in age from 10 to 19. Pregnancies are defined as stillbirths, abortions, and live births. Readers will be able to review both the frequency of adolescent and teen pregnancies and the population-based rates. Using the population-based rates, comparisons among counties or between county and state are possible. Multi-year rates are prepared for those instances where low counts may inordinately influence a single-year rate. All rates use as the denominator the female population estimates for the age group represented in the numerator. All statistics are based on residence data unless otherwise noted.

Items for which no response was provided are shown as "not stated" (n.s.) in tables and graphs throughout this publication. To ensure statistical accuracy, the "not stated" count is subtracted from the denominator when calculating rates and percentages.

Adolescent and teen pregnancies and births in most Kansas counties are relatively low-frequency events. In such instances, small numerical changes may have a large impact on annual rates. The use of multi-year rates attempts to mitigate the effect of small frequencies. This report uses significance testing to determine whether a county's multi-year teen pregnancy rate is statistically significantly different than the state's rate for the same time period.

The Adequacy of Prenatal Care Utilization (APNCU) Index (or Kotelchuck Index) attempts to characterize prenatal care (PNC) utilization based on two independent and distinct dimensions: adequacy of initiation of PNC and the number of prenatal care visits received once care has begun. However, the index does not assess the quality of prenatal care delivered. The APNCU, through the categories of inadequate, intermediate, adequate, and adequate plus, characterizes the adequacy of pregnancy-related health services provided to a woman between conception and delivery [10].

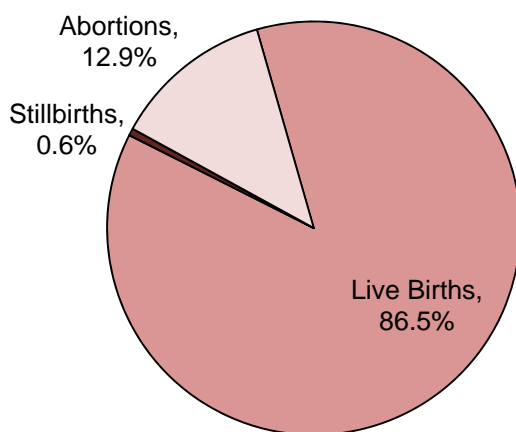
Results and Discussion

Only selected findings are discussed in this section. Additional detailed tables and figures are provided to support evaluation by county or other characteristics.

Females aged 10-19 accounted for 7.2 percent (3,118) of the 43,110 pregnancies in 2014. Of those pregnancies, 86.5 percent (2,696), resulted in a live birth, 12.9 percent (402) in abortion, and the remainder in stillbirths (20) (Figure A, Table 1).

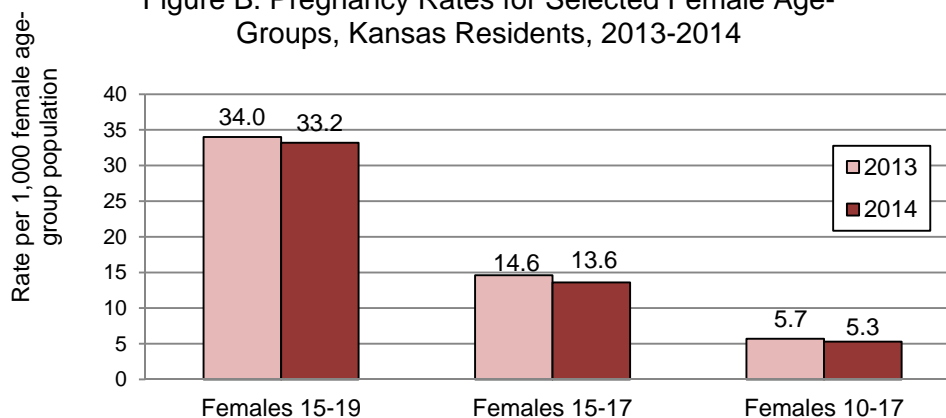
The pregnancy rate for females aged 10-19 was 16.0 per 1,000 female age-group female population in 2014, down 6.4 percent from 2013 (17.1) (Table 2).

Figure A. Pregnancy Outcomes among Females Aged 10-19 Years, Kansas, 2014 (n=3,118)



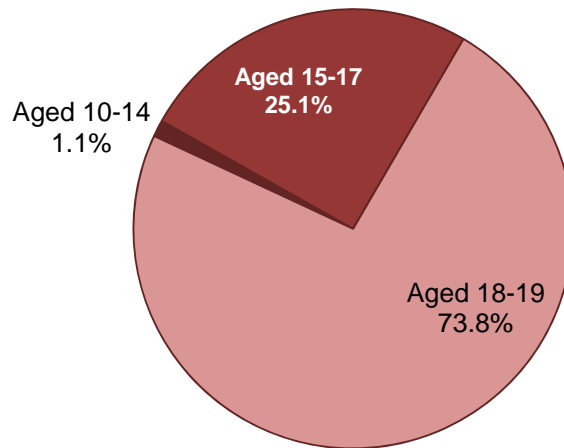
From 2013 to 2014 the pregnancy rate for females aged 10-17 went from 5.7 per 1,000 female age-group population to 5.3, a 7.0 percent decrease. The 2014 rate for females aged 15-19, 33.2 per 1,000, dropped 2.4 percent from the 2013 rate of 34.0 per 1,000. The rate for females aged 10-14 remained the same from 2013 to 2014 at 0.4 per 1,000 female age-group population. (Figure B, Table 2).

Figure B. Pregnancy Rates for Selected Female Age-Groups, Kansas Residents, 2013-2014



Seven out of 10 (73.8%) pregnant adolescents and teens were 18-19 years of age, 25.1 percent were 15-17 years of age, and 1.1 percent was 10-14 years of age (Table 2, Figure C).

Figure C. Percentage of Adolescent and Teen Pregnancies by Female Age-Group, Kansas, 2014 (n=3,118)

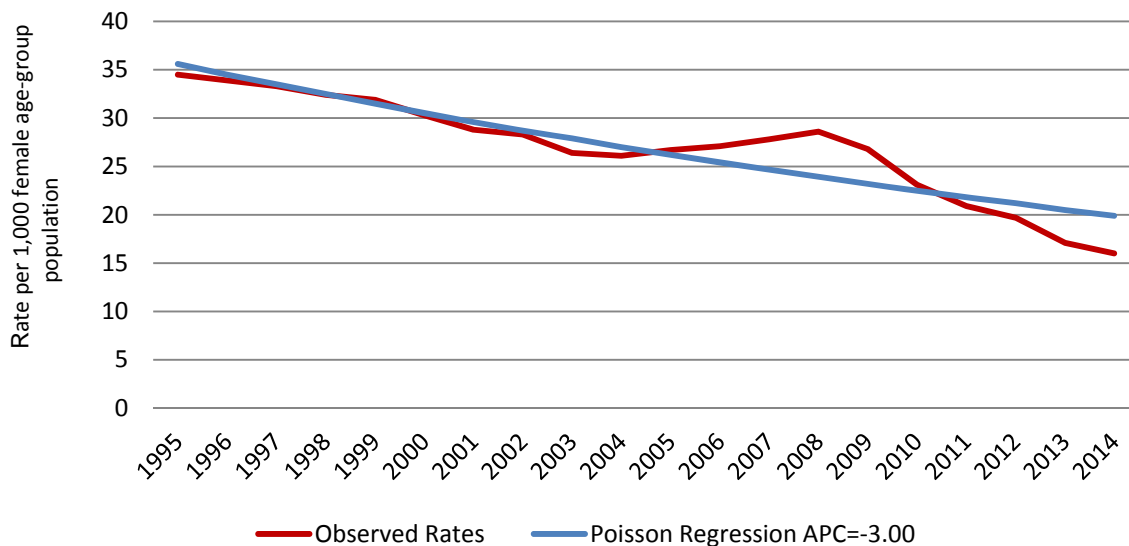


The Kansas teenage pregnancy rates for females 15-19 years of age decreased 55.2 percent between 1995 and 2014. Teen pregnancy rates for females aged 10-17 decreased 67.1 percent during this same time period (Table 2, Figure 1).

Trends 1995-2014

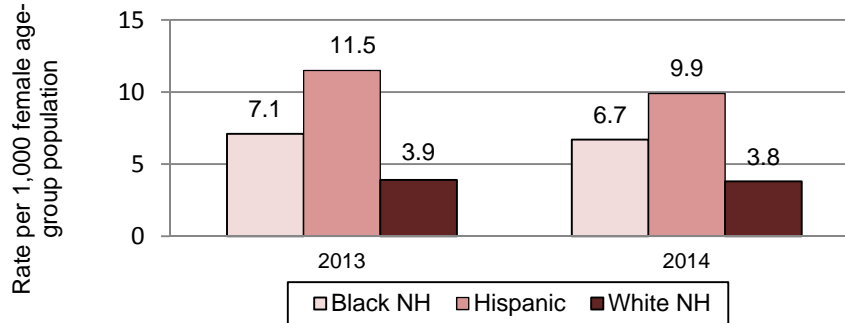
The number and single year rate of adolescent and teenage pregnancies (aged 10-19) decreased in 2014, continuing the decline that began in 2009 after a series of increases between 2004 and 2008. Joinpoint Poisson regression analysis showed a statistically significant decreasing trend from 1995 -2014. During the 20 years the trend has been an annual percent change (APC) of -3.0 percent (Table 2, Figure D).

Figure D. Trend in Pregnancy Rates among Females Aged 10-19 Years, Kansas, 1995-2014



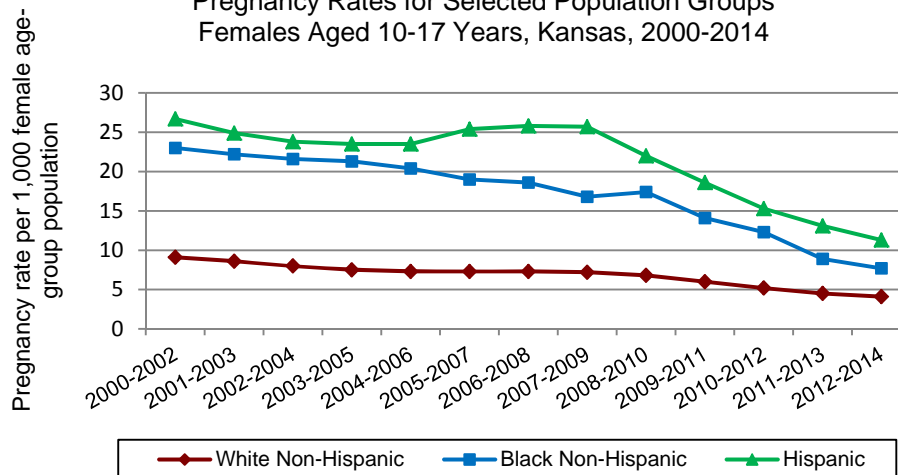
All selected population groups of teens and adolescents declined in 2014 (Figure E, Table 3). The difference in pregnancy rates among Black non-Hispanic and Hispanic adolescents and teens compared to white non-Hispanics decreased in 2014 compared to 2013.

Figure E. Pregnancy Rates among Females Aged 10-17 Years by Selected Population Groups, Kansas, 2013-2014



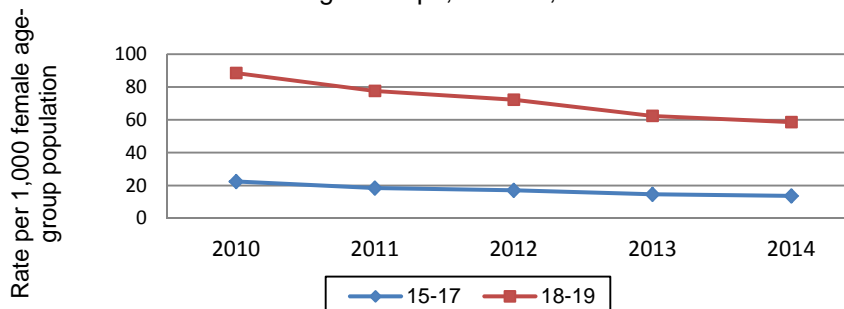
Trends of three year rolling averages from 2000 through 2014 show overall declining trends in pregnancy rates among Black and White non-Hispanic and Hispanic adolescents and teens 10-17 years of age, (Figure F).

Figure F. Three Year Rolling Average Pregnancy Rates for Selected Population Groups Females Aged 10-17 Years, Kansas, 2000-2014



In 2014, pregnancy rates among females 15-17 years of age, (13.6 per 1,000 female age-group population) and females aged 18-19 (58.6 per 1,000 female age-group population) were the lowest rates in five years for both age groups, with a steady decline from 2010-2014. Both rates compare favorably with the Healthy People 2020 national targets of 36.2 pregnancies per 1,000 female age-group population among females aged 15-17 years and 72.2 per 1,000 female age-group population among females aged 18-19 years (Table 2, Figure G).

Figure G. Pregnancy Rates among Selected Female Age-Groups, Kansas, 2010-2014



Geographic Detail

Five-year (2010-2014) county pregnancy rates for females aged 15-19 were compared to the state rate and tested for statistically significant differences. Rates for 19 counties were significantly higher than the state rate, and rates for 19 counties were significantly lower than the state rate. Rates for 48 counties were not statistically significantly different from the state rate, while the number of pregnancies among adolescents and teens in 19 counties was too small (under 20 pregnancies) for reliable rate comparisons (Figure 4).

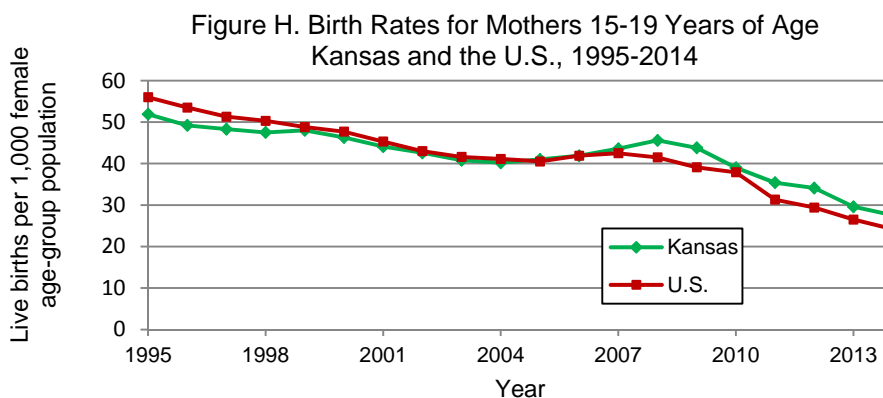
Five-year pregnancy rates for females aged 15-19 ranged from a low of 0.0 per 1,000 female age-group population in Greeley County to a high of 81.7 per 1,000 female age-group population in Geary County (Table 4). These rates were compared to the five-year state rate of 38.1 per 1,000 female age-group population. The number of teen pregnancies in Greeley County, however, was too few for the rate to be considered reliable. Therefore, Douglas County had the lowest reliable rate of 15.6 per 1,000 female age-group population and was significantly lower than the state rate, while the Geary county rate was significantly higher than the state rate.

In 2014, densely-settled rural counties had the highest pregnancy rates for 10-19 year old females (19.8 per 1,000 female age-group population), followed by semi-urban (16.0), urban (15.2) and frontier (15.1) counties (Table 1).

The five-year (2010-2014) teen pregnancy rate for Kansas resident females 10-19 years of age was 19.4 per 1,000 female age-group population. The lowest five-year rate in the state was in Gove County with 2.4 pregnancies per 1,000 females 10-19 years of age. The highest rate was in Seward County with 38.6 pregnancies per 1,000 females 10-19 years of age (Table 5).

Birth Rates

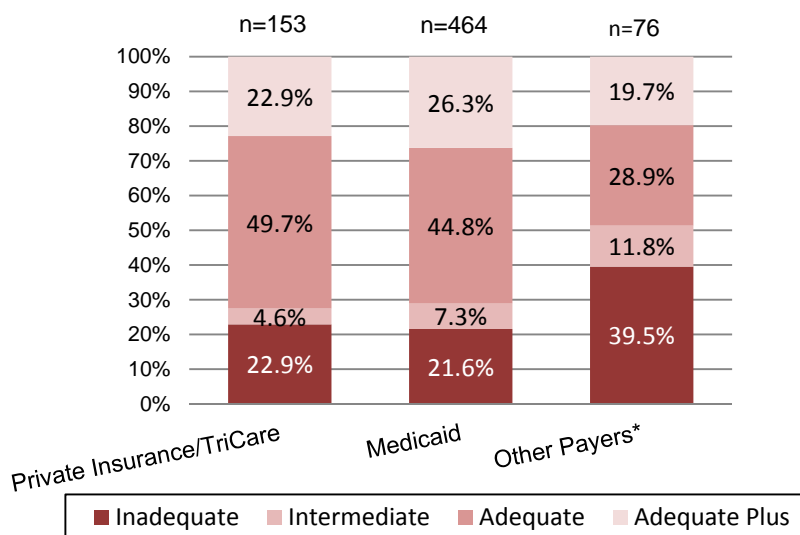
In 2014, the birth rate for Kansas mothers aged 15-19 (27.6 per 1,000 female age-group population) dropped by 6.8 percent from 2013 (29.6). During the 20-year period from 1995 to 2014, birth rates for Kansas mothers 15-19 years of age decreased by 50.7 percent (Figure H). For 11 years (1994 – 2004), the Kansas rate was lower than the U.S. rate for births to teens aged 15-19. Since 2005, the U.S. rate has dropped faster than the Kansas rate. In 2014, the Kansas birth rate was higher than the preliminary U.S. birth rate by 3.4 percentage points [11].



Adequacy of Prenatal Care

Adequacy of prenatal care was examined for adolescents/teens aged 10-17 years by primary payer. No significant differences were found for less than adequate prenatal care among those with private insurance/Tricare (27.5%, 95% CI: 18.9-38.6), Medicaid (28.9%, 95% CI: 23.3-34.4) and other pay sources (51.3%, 95% CI: 33.5-75.2) (Figure I). Of the 818 live births to Kansas mothers aged 10-17, 14 were excluded because adequacy of prenatal care was not specified among the payers, while 111 live births were excluded due to insufficient data for APNCU index calculation (Figure I).

Figure I. Adequacy of Prenatal Care by Selected Payers* among Adolescents Aged 10-17 Years who had Live Births, Kansas, 2014



*Other payers include other government, self-pay, Indian Health Services, other payer and unknown payer.

Conclusions

Pregnancy rates continued to decline among Kansas females aged 10-19 in 2014. Declines were seen in age groups 10-17, 15-17 and 18-19, with rates comparing favorably with the Healthy People 2020 national targets of 36.2 and 105.9 per 1,000 female age-group populations for aged 15-17 and 18-19, respectively [6] (Table 1). Furthermore, the national birth rate for teens aged 15-19 fell by 9.0 percent according to final 2014 figures released by the National Center for Health Statistics, while the Kansas birth rate decreased by 6.8 percent [11].

Birth rates among White non-Hispanic, Black non-Hispanic and Hispanic adolescents and teens aged 10-17 years decreased from 2013 to 2014. While Black non-Hispanic and Hispanic adolescent teen birth and pregnancy rates declined in 2014 from 2013, both population groups remained higher than White non-Hispanic pregnancy and birth rates (Table 3). Among older teens, aged 18-19 years, White non-Hispanic, Black non-Hispanic and Hispanic pregnancy rates and birth rates declined (Table 7).

Pregnant women who receive inadequate prenatal care are at increased risk of bearing infants who have low birth weight, are stillborn, or die within the first year of life [12]. Inadequate prenatal care is strongly associated with preterm birth among adolescents

[13]. However, no disparities were found among 10-17 year olds receiving less than adequate prenatal care when private insurance or Tricare, Medicaid or other payers were the primary payers (Figure I).

Limitations

This report's findings are subject to at least one limitation. An important concern is the issue of receiving vital events from other states within the KDHE reporting deadline. Vital statistics are gathered on an occurrence basis but are traditionally reported on a residence basis. For complete residence statistics, reports must be received from other states for events occurring to Kansas residents. These events are reported for a full calendar year. Because of delays or other late reporting, some vital event reports have not been received by KDHE by the cutoff date of June 30 of the year following the event year. Past evaluations indicate that over 99 percent of all vital events to Kansas residents are received before the cutoff date.

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Detailed Tables and Figures

Table 1. Pregnancy* Numbers and Rates† by County of Residence
and Peer Group by Component and Age-Group
Females Aged 10-19 Years, Kansas, 2014

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage Preg. Rates
	Age-Group		Age-Group		Age-Group		Age Group			Age-Group
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19	10-19
Allen	0	9	0	0	0	1	0	10	10	11.5
Anderson	0	8	0	0	0	0	0	8	8	15.2
Atchison	0	23	0	0	0	0	0	23	23	18.0
Barber	0	8	0	0	0	0	0	8	8	30.7
Barton	0	37	0	0	0	1	0	38	38	21.5
Bourbon	0	30	0	1	0	1	0	32	32	33.0
Brown	0	13	0	0	0	1	0	14	14	21.7
Butler	0	47	0	0	0	14	0	61	61	12.1
Chase	0	1	0	0	0	0	0	1	1	5.5
Chautauqua	0	0	0	0	0	0	0	0	0	0.0
Cherokee	0	39	0	0	0	3	0	42	42	29.6
Cheyenne	0	1	0	0	0	0	0	1	1	7.1
Clark	0	0	0	0	0	0	0	0	0	0.0
Clay	0	8	0	0	0	0	0	8	8	16.2
Cloud	0	11	0	0	0	3	0	14	14	22.5
Coffey	0	6	0	0	0	2	0	8	8	14.0
Comanche	0	1	0	0	0	0	0	1	1	6.8
Cowley	0	49	0	0	0	2	0	51	51	20.5
Crawford	1	56	0	0	0	5	1	61	62	23.4
Decatur	0	5	0	0	0	0	0	5	5	31.1
Dickinson	0	17	0	0	0	1	0	18	18	14.2
Doniphan	0	4	0	0	0	0	0	4	4	7.3
Douglas	1	47	0	0	0	19	1	66	67	8.0
Edwards	0	3	0	0	0	0	0	3	3	14.3
Elk	0	3	0	0	0	0	0	3	3	19.5
Ellis	1	25	0	1	0	5	1	31	32	17.8
Ellsworth	0	1	0	0	0	1	0	2	2	7.4
Finney	0	75	0	0	0	3	0	78	78	27.1
Ford	0	68	0	0	0	6	0	74	74	29.5
Franklin	1	25	0	0	0	3	1	28	29	16.4
Geary	0	56	0	0	0	12	0	68	68	32.4
Gove	0	1	0	0	0	0	0	1	1	6.0
Graham	0	4	0	0	0	0	0	4	4	30.8
Grant	1	15	0	0	0	0	1	15	16	24.7
Gray	0	6	0	0	0	0	0	6	6	11.7
Greeley	0	0	0	0	0	0	0	0	0	0.0
Greenwood	0	8	0	0	0	2	0	10	10	27.5
Hamilton	0	2	0	0	0	0	0	2	2	10.8
Harper	0	7	0	0	0	0	0	7	7	20.6
Harvey	0	26	0	0	0	5	0	31	31	12.8
Haskell	0	6	0	0	0	1	0	7	7	21.5
Hodgeman	0	0	0	0	0	0	0	0	0	0.0
Jackson	0	13	0	0	0	2	0	15	15	16.4
Jefferson	0	8	0	0	0	0	0	8	8	6.4
Jewell	0	3	0	0	0	0	0	3	3	19.2
Johnson	3	214	0	3	2	81	5	298	303	7.9
Kearny	0	5	0	0	0	0	0	5	5	17.7
Kingman	0	3	0	0	0	0	0	3	3	6.1
Kiowa	0	2	0	0	0	1	0	3	3	16.8
Labette	0	24	0	0	0	0	0	24	24	19.2
Lane	0	1	0	0	0	0	0	1	1	8.5
Leavenworth	0	51	0	2	0	11	0	64	64	13.0
Lincoln	0	0	0	0	0	0	0	0	0	0.0
Linn	0	10	0	0	0	1	0	11	11	16.8
Logan	0	2	0	0	0	0	0	2	2	12.7

**Table 1. Pregnancy* Numbers and Rates† by County of Residence
and Peer Group by Component and Age-Group
Females Aged 10-19 Years, Kansas, 2014**

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage Preg. Rates
	Age-Group		Age-Group		Age-Group		Age Group			Age-Group
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19	10-19
Lyon	1	40	0	0	0	6	1	46	47	19.6
McPherson	0	23	0	0	0	3	0	26	26	13.3
Marion	0	7	0	0	0	1	0	8	8	9.9
Marshall	0	7	0	0	0	0	0	7	7	11.8
Meade	0	5	0	0	0	1	0	6	6	16.4
Miami	0	21	0	0	0	3	0	24	24	10.1
Mitchell	0	4	0	0	0	0	0	4	4	10.6
Montgomery	0	39	0	0	0	1	0	40	40	18.5
Morris	0	3	0	0	0	0	0	3	3	9.4
Morton	0	3	0	0	0	0	0	3	3	12.8
Nemaha	0	10	0	0	0	0	0	10	10	14.4
Neosho	0	19	0	0	0	2	0	21	21	19.2
Ness	0	4	0	0	0	1	0	5	5	25.9
Norton	0	6	0	0	0	0	0	6	6	21.3
Osage	0	14	0	0	0	1	0	15	15	14.3
Osborne	0	6	0	0	0	0	0	6	6	28.7
Ottawa	0	2	0	0	0	0	0	2	2	5.2
Pawnee	0	8	0	1	0	0	0	9	9	27.7
Phillips	1	3	1	0	0	1	2	4	6	16.1
Pottawatomie	0	12	0	0	0	2	0	14	14	8.1
Pratt	0	9	0	0	0	3	0	12	12	19.2
Rawlins	0	1	0	0	0	0	0	1	1	7.3
Reno	0	61	0	1	0	4	0	66	66	16.5
Republic	0	1	0	0	0	0	0	1	1	4.0
Rice	0	6	0	0	0	1	0	7	7	10.3
Riley	0	44	0	0	0	11	0	55	55	11.4
Rooks	0	2	0	0	0	0	0	2	2	6.2
Rush	0	0	0	0	0	1	0	1	1	5.7
Russell	0	4	0	0	0	0	0	4	4	10.4
Saline	0	54	0	0	0	5	0	59	59	16.9
Scott	0	4	0	0	0	2	0	6	6	16.1
Sedgwick	8	572	0	3	4	82	12	657	669	19.5
Seward	0	55	0	0	0	3	0	58	58	32.3
Shawnee	1	189	0	4	0	28	1	221	222	19.3
Sheridan	0	1	0	0	0	0	0	1	1	6.1
Sherman	1	8	0	0	0	1	1	9	10	27.2
Smith	0	0	0	0	0	0	0	0	0	0.0
Stafford	0	3	0	0	0	1	0	4	4	15.6
Stanton	0	3	0	0	0	0	0	3	3	21.1
Stevens	0	8	0	0	0	1	0	9	9	20.4
Sumner	0	13	0	0	0	0	0	13	13	7.9
Thomas	0	7	0	0	0	5	0	12	12	20.3
Trego	0	0	0	0	0	0	0	0	0	0.0
Wabaunsee	0	5	0	0	0	1	0	6	6	13.3
Wallace	0	0	0	0	0	0	0	0	0	0.0
Washington	0	0	0	0	0	0	0	0	0	0.0
Wichita	0	1	0	0	0	0	0	1	1	7.0
Wilson	1	7	0	0	0	1	1	8	9	15.0
Woodson	0	5	0	0	0	0	0	5	5	26.2
Wyandotte	3	286	0	3	4	33	7	322	329	29.4
Kansas	24	2,672	1	19	10	392	35	3,083	3,118	16.0
Peer Group										
Frontier	1	87	0	0	0	8	1	95	96	13.8
Rural	3	216	1	1	0	28	4	245	249	15.1
Densely -Settled Rural	2	581	0	2	0	39	2	622	624	19.8
Semi-Urban	2	429	0	1	0	63	2	493	495	16.0
Urban	16	1,359	0	15	10	254	26	1,628	1,654	15.2

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 2
Pregnancy* Numbers and Rate† by Year by Age-Group
Females Aged 10-19 Years
Kansas, 1995-2014

Year	Teen (10-19) Pregnancies	Age-Group					Teen (10-19) Pregnancy Rate	Pregnancy Rate				
		10-14	15-17	18-19	10-17	15-19		10-14	15-17	18-19	10-17	15-19
1995	6,552	153	2,332	4,067	2,485	6,399	34.5	1.6	41.3	117.6	16.1	69.5
1996	6,498	133	2,276	4,089	2,409	6,365	33.9	1.4	38.9	113.4	15.6	67.0
1997	6,469	123	2,260	4,086	2,383	6,346	33.3	1.3	37.4	110.4	15.3	64.7
1998	6,444	108	2,087	4,249	2,195	6,336	32.4	1.1	34.1	107.6	13.8	62.0
1999	6,402	103	1,979	4,320	2,082	6,299	31.9	1.1	32.4	106.3	13.1	60.7
2000	6,090	94	1,819	4,177	1,913	5,996	30.3	0.9	30.1	105.0	12.0	58.7
2001	5,818	79	1,819	3,920	1,898	5,739	28.8	0.8	30.2	101.4	11.9	56.0
2002	5,586	86	1,684	3,816	1,770	5,500	28.3	0.9	28.3	96.0	11.3	54.7
2003	5,174	73	1,559	3,542	1,632	5,101	26.4	0.8	26.6	92.9	10.5	51.3
2004	5,026	71	1,492	3,463	1,563	4,955	26.1	0.8	25.8	86.8	10.3	50.3
2005	5,044	69	1,483	3,492	1,552	4,975	26.7	0.8	25.7	85.1	10.4	50.8
2006	5,192	85	1,507	3,600	1,592	5,107	27.1	0.9	25.5	87.1	10.4	52.2
2007	5,268	70	1,573	3,625	1,643	5,198	27.8	0.8	26.8	93.1	10.9	53.2
2008	5,371	66	1,552	3,753	1,618	5,305	28.6	0.7	27.1	95.7	10.9	55.0
2009	5,036	56	1,417	3,563	1,473	4,980	26.8	0.6	25.2	88.5	10.0	51.6
2010	4,501	59	1,298	3,144	1,357	4,442	23.1	0.6	22.4	77.6	8.8	45.1
2011	4,095	70	1,063	2,962	1,133	4,025	20.9	0.7	18.4	72.2	7.3	40.8
2012	3,823	42	973	2,808	1,015	3,781	19.7	0.4	17.0	70.8	6.6	39.0
2013	3,335	41	841	2,453	882	3,294	17.1	0.4	14.6	62.4	5.7	34.0
2014	3,118	35	783	2,300	818	3,083	16.0	0.4	13.6	58.6	5.3	33.2

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 3
Pregnancy* Numbers and Rate† and Birth Rates by Year
by Selected Population Groups
Females Aged 10-17 Years, Kansas, 1995-2014

Year	Number of Pregnancies				Pregnancy Rate				Birth Rate			
	White Non-Hispanic	Black Non-Hispanic	Hispanic	n.a.‡	White Non-Hispanic	Black Non-Hispanic	Hispanic	n.a.‡	White Non-Hispanic	Black Non-Hispanic	Hispanic	n.a.‡
1995	n.a.‡	n.a.‡	n.a.‡	n.a.‡	n.a.‡	n.a.‡	n.a.‡	n.a.‡	8.6	32.7	25.6	25.6
1996	1,642	376	325	325	12.5	34.7	31.6	31.6	8.1	27.6	28.1	28.1
1997	1,575	406	327	327	11.9	36.6	29.4	29.4	8.1	28.0	26.5	26.5
1998	1,462	319	325	325	11.1	28.2	27.5	27.5	7.4	22.1	23.6	23.6
1999	1,314	337	352	352	10.0	29.2	28.0	28.0	6.9	22.7	25.5	25.5
2000	1,184	293	385	385	9.3	24.9	29.1	29.1	6.5	19.6	25.4	25.4
2001	1,202	269	364	364	9.5	22.4	26.2	26.2	6.5	17.3	24.1	24.1
2002	1,078	267	364	364	8.7	21.8	24.9	24.9	5.9	16.2	23.6	23.6
2003	944	277	358	358	7.7	22.4	23.6	23.6	5.4	15.9	21.4	21.4
2004	901	248	351	351	7.5	20.7	22.9	22.9	5.7	15.7	20.7	20.7
2005	836	249	380	380	7.2	20.9	24.0	24.0	5.2	15.4	21.2	21.2
2006	866	236	408	408	7.3	19.5	23.6	23.6	5.2	14.0	20.9	20.9
2007	840	205	504	504	7.3	16.6	28.5	28.5	5.4	13.6	25.7	25.7
2008	842	239	460	460	7.4	19.6	25.4	25.4	5.6	15.2	23.3	23.3
2009	776	175	437	437	6.9	14.3	23.3	23.3	5.3	10.6	21.8	21.8
2010	661	185	416	416	6.0	18.4	18.2	18.2	4.9	14.2	17.1	17.1
2011	563	131	363	363	5.0	10.4	15.3	15.3	4.1	8.1	13.8	13.8
2012	524	117	310	310	4.7	9.4	12.7	12.7	3.9	7.2	12.0	12.0
2013	433	89	293	293	3.9	7.1	11.5	11.5	3.2	6.2	10.7	10.7
2014	416	84	257	257	3.8	6.7	9.9	9.9	3.1	5.6	9.3	9.3

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population within population group.

‡ n.a.: Not available. Six months of abortion data from 1995 lack race and ethnicity information, making it impossible to determine number of pregnancies and pregnancy rates by population group.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 4. Pregnancy* Rates[†] by County of Residence by Year
Females Aged 10-14 and 15-19 Years, Kansas, 2010-2014

County of Residence	Year											
	2010		2011		2012		2013		2014		5-year Rate	
	Age-Group		Age-Group		Age-Group		Age-Group		Age-Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19
Allen	0.0	48.4	0.0	37.8	0.0	42.8	0.0	25.0	0.0	23.0	0.0	35.1
Anderson	0.0	58.1	0.0	42.0	0.0	16.7	0.0	29.2	0.0	32.9	0.0	37.3
Atchison	0.0	37.0	0.0	52.6	0.0	27.8	0.0	32.1	0.0	30.4	0.0	32.5
Barber	7.2	46.1	0.0	30.3	0.0	69.9	0.0	29.0	0.0	64.5	1.5	46.3
Barton	0.0	51.6	0.0	55.7	1.1	44.6	0.0	34.8	0.0	42.3	0.2	46.1
Bourbon	0.0	50.0	0.0	60.3	0.0	67.3	2.1	47.0	0.0	66.4	0.4	59.1
Brown	3.2	57.1	0.0	66.1	0.0	43.0	0.0	40.1	0.0	47.8	0.6	52.8
Butler	0.0	34.2	0.0	20.3	0.0	30.6	0.8	22.1	0.0	24.3	0.2	26.6
Chase	0.0	41.7	0.0	10.4	0.0	13.5	0.0	12.0	0.0	11.8	0.0	18.1
Chautauqua	0.0	0.0	0.0	46.7	0.0	36.4	0.0	61.2	0.0	0.0	0.0	29.5
Cherokee	1.3	57.2	0.0	52.4	1.3	45.4	0.0	40.6	0.0	60.3	0.5	53.2
Cheyenne	0.0	0.0	0.0	29.4	0.0	16.4	14.1	52.6	0.0	15.4	2.8	22.2
Clark	0.0	15.6	0.0	39.5	0.0	41.1	0.0	28.6	0.0	0.0	0.0	25.4
Clay	7.8	54.1	0.0	47.1	0.0	28.7	0.0	31.9	0.0	32.5	1.6	39.1
Cloud	0.0	57.1	0.0	33.7	0.0	28.7	0.0	36.4	0.0	41.5	0.0	38.5
Coffey	0.0	26.2	0.0	19.4	0.0	21.3	0.0	13.4	0.0	28.3	0.0	22.0
Comanche	0.0	40.8	0.0	35.3	0.0	0.0	0.0	28.2	0.0	14.3	0.0	25.6
Cowley	1.6	54.6	0.0	56.4	0.0	48.9	0.0	41.2	0.0	38.9	0.3	47.5
Crawford	0.0	33.0	1.7	43.9	0.8	29.7	0.0	33.8	0.9	39.9	0.7	34.2
Decatur	0.0	18.2	0.0	83.3	0.0	15.6	0.0	83.3	0.0	65.8	0.0	61.9
Dickinson	0.0	41.5	1.6	45.0	1.5	37.1	0.0	20.3	0.0	29.9	0.6	35.5
Doniphan	0.0	20.1	0.0	20.1	8.7	37.0	0.0	30.5	0.0	12.4	1.7	22.9
Douglas	0.4	18.8	0.4	31.7	0.7	17.8	0.7	13.9	0.3	12.2	0.5	15.6
Edwards	9.3	40.8	0.0	35.1	0.0	42.1	0.0	10.9	0.0	30.3	1.9	33.5
Elk	0.0	37.5	0.0	23.8	0.0	25.6	0.0	37.5	0.0	40.5	0.0	33.6
Ellis	1.4	38.2	0.0	36.9	1.4	25.0	0.0	29.3	1.3	30.8	0.8	29.2
Ellsworth	0.0	20.8	6.6	13.1	0.0	19.7	7.4	13.5	0.0	14.8	2.8	16.3
Finney	0.6	78.4	1.9	66.1	0.6	68.8	0.0	56.1	0.0	52.9	0.7	66.6
Ford	0.8	74.8	0.0	63.1	0.0	71.0	0.7	56.0	0.0	61.3	0.3	67.3
Franklin	1.1	46.8	1.2	35.1	0.0	42.9	0.0	37.1	1.1	32.4	0.7	38.8
Geary	0.9	81.0	0.0	76.9	0.0	88.3	2.5	69.2	0.0	72.6	0.7	81.7
Gove	0.0	0.0	0.0	0.0	0.0	11.8	0.0	0.0	0.0	12.3	0.0	4.9
Graham	0.0	61.5	0.0	60.6	0.0	40.5	0.0	54.8	0.0	57.1	0.0	52.8
Grant	0.0	90.6	0.0	44.6	0.0	57.8	0.0	60.0	3.0	47.2	0.6	62.0
Gray	0.0	8.4	0.0	22.9	0.0	30.3	0.0	29.3	0.0	23.5	0.0	22.9
Greeley	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greenwood	0.0	63.2	0.0	46.2	0.0	68.2	0.0	45.7	0.0	58.1	0.0	59.6
Hamilton	0.0	79.5	0.0	56.1	0.0	85.7	0.0	71.4	0.0	24.7	0.0	66.0
Harper	0.0	46.8	0.0	33.5	0.0	31.6	0.0	38.3	0.0	38.9	0.0	37.5
Harvey	0.0	40.4	0.0	41.8	0.0	41.1	0.0	37.5	0.0	25.2	0.0	37.4
Haskell	0.0	45.5	0.0	29.6	0.0	77.8	0.0	45.5	0.0	42.4	0.0	49.2
Hodgeman	0.0	15.9	0.0	14.1	0.0	0.0	0.0	15.6	0.0	0.0	0.0	9.6
Jackson	0.0	53.1	0.0	30.9	0.0	19.9	0.0	32.3	0.0	33.9	0.0	34.3
Jefferson	0.0	15.7	0.0	19.9	0.0	30.4	0.0	13.3	0.0	13.4	0.0	19.2
Jewell	0.0	14.5	0.0	12.8	0.0	61.0	0.0	48.2	0.0	38.0	0.0	36.2
Johnson	0.3	23.9	0.3	18.1	0.1	20.5	0.2	16.2	0.2	16.6	0.2	19.6
Kearny	6.3	64.7	0.0	35.7	0.0	35.0	0.0	36.0	0.0	37.0	1.4	43.0
Kingman	0.0	31.0	0.0	32.6	0.0	22.3	0.0	35.2	0.0	12.2	0.0	26.5
Kiowa	0.0	0.0	0.0	37.0	0.0	28.6	0.0	9.4	0.0	28.6	0.0	17.9
Labette	0.0	81.9	3.2	48.4	0.0	42.8	1.5	42.0	0.0	38.6	0.9	52.0
Lane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	0.0	16.1	0.0	6.8
Leavenworth	1.6	33.1	1.9	32.8	0.4	41.4	0.4	35.1	0.0	27.5	0.8	34.9
Lincoln	0.0	34.1	0.0	43.9	0.0	35.3	0.0	11.6	0.0	0.0	0.0	26.9
Linn	0.0	44.6	0.0	29.3	0.0	51.9	0.0	35.1	0.0	35.0	0.0	39.9
Logan	0.0	11.9	0.0	23.8	0.0	25.6	0.0	29.0	0.0	30.3	0.0	23.4

Table 4. Pregnancy* Rates[†] by County of Residence by Year
Females Aged 10-14 and 15-19 Years, Kansas, 2010-2014

County of Residence	Year											
	2010		2011		2012		2013		2014		5-year Rate	
	Age-Group		Age-Group		Age-Group		Age-Group		Age-Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19
Lyon	2.0	47.9	1.0	55.9	0.0	32.4	3.0	33.6	1.0	33.6	1.4	37.0
Mcpherson	1.0	23.9	2.6	74.3	1.0	31.3	0.0	19.5	0.0	27.3	0.6	26.8
Marion	0.0	33.3	0.0	27.3	0.0	18.8	0.0	12.4	0.0	18.6	0.0	21.2
Marshall	0.0	28.0	0.0	13.2	0.0	30.1	0.0	30.1	0.0	25.9	0.0	32.5
Meade	0.0	29.2	0.0	49.8	0.0	9.8	0.0	37.2	0.0	30.8	0.0	31.7
Miami	0.8	33.7	0.0	26.6	0.0	26.7	0.0	25.2	0.0	21.3	0.2	27.4
Mitchell	0.0	17.1	0.0	34.3	0.0	0.0	0.0	30.6	0.0	21.4	0.0	22.3
Montgomery	1.0	56.4	1.0	49.3	0.0	58.0	0.9	45.2	0.0	37.2	0.6	48.7
Morris	0.0	55.6	0.0	36.6	5.7	59.6	0.0	31.1	0.0	19.1	1.2	41.7
Morton	0.0	61.4	0.0	36.2	0.0	56.1	0.0	24.6	0.0	26.3	0.0	42.2
Nemaha	0.0	19.4	0.0	13.3	0.0	11.8	0.0	39.2	0.0	29.9	0.0	23.2
Neosho	0.0	60.4	0.0	57.5	0.0	62.8	0.0	30.5	0.0	38.2	0.0	50.2
Ness	0.0	49.4	0.0	10.5	0.0	33.3	0.0	11.2	0.0	54.9	0.0	32.2
Norton	0.0	13.2	0.0	48.6	0.0	14.3	0.0	49.0	0.0	45.1	0.0	33.1
Osage	0.0	35.8	0.0	28.2	0.0	32.1	0.0	24.0	0.0	29.1	0.0	30.7
Osborne	0.0	43.9	0.0	60.3	0.0	25.2	0.0	66.7	0.0	55.6	0.0	49.3
Ottawa	0.0	45.2	0.0	16.3	0.0	15.2	0.0	14.7	0.0	10.1	0.0	19.1
Pawnee	0.0	40.5	0.0	30.7	0.0	34.1	5.6	16.8	0.0	54.9	1.1	36.9
Phillips	0.0	18.0	4.7	18.3	0.0	37.4	0.0	11.6	10.2	22.9	3.0	22.6
Pottawatomie	0.0	21.5	0.0	21.3	0.0	18.3	0.0	12.7	0.0	17.3	0.0	18.8
Pratt	0.0	27.1	0.0	58.6	3.5	52.2	0.0	29.0	0.0	36.8	0.7	39.0
Rawlins	0.0	32.3	0.0	15.4	0.0	27.8	0.0	44.8	0.0	14.3	0.0	26.8
Reno	0.0	44.1	1.0	36.6	0.5	34.3	0.0	38.8	0.0	33.9	0.3	38.1
Republic	0.0	40.7	0.0	41.4	0.0	39.4	0.0	34.2	0.0	8.1	0.0	34.0
Rice	3.2	33.5	0.0	46.5	0.0	30.6	0.0	44.3	0.0	19.4	0.6	34.0
Riley	1.4	23.3	1.4	59.1	0.7	20.6	0.0	18.8	0.0	16.1	0.7	20.8
Rooks	0.0	30.1	0.0	30.3	0.0	32.9	5.9	13.7	0.0	13.8	1.2	24.6
Rush	0.0	70.6	0.0	0.0	0.0	38.0	0.0	12.7	0.0	13.0	0.0	27.6
Russell	0.0	57.3	0.0	34.1	0.0	44.6	0.0	35.7	0.0	21.2	0.0	38.5
Saline	0.0	67.0	1.7	50.4	0.6	44.4	0.0	45.6	0.0	33.7	0.4	49.0
Scott	0.0	35.5	0.0	35.4	0.0	53.0	0.0	41.4	0.0	39.0	0.0	44.0
Sedgwick	0.5	57.1	0.9	46.4	0.7	46.9	0.4	45.5	0.7	40.1	0.7	48.4
Seward	1.1	78.6	1.1	90.6	0.0	78.7	1.1	63.6	0.0	66.8	0.7	77.2
Shawnee	0.9	56.8	1.2	48.2	0.3	52.7	0.0	43.8	0.2	39.3	0.5	49.4
Sheridan	0.0	0.0	0.0	21.5	0.0	42.3	0.0	27.4	0.0	13.9	0.0	23.9
Sherman	0.0	89.7	0.0	36.3	0.0	80.7	0.0	44.9	5.5	48.1	1.0	59.3
Smith	0.0	17.9	0.0	20.0	0.0	18.3	0.0	18.2	0.0	0.0	0.0	14.5
Stafford	0.0	63.4	0.0	26.5	0.0	65.7	0.0	29.4	0.0	30.1	0.0	43.9
Stanton	0.0	63.3	0.0	23.0	0.0	66.7	0.0	31.3	0.0	46.2	0.0	47.8
Stevens	0.0	52.9	0.0	21.9	0.0	40.0	4.3	55.6	0.0	46.9	0.9	43.5
Sumner	0.0	56.9	0.0	40.7	1.2	48.5	0.0	33.4	0.0	17.1	0.2	40.6
Thomas	0.0	20.2	0.0	54.3	0.0	40.8	0.0	27.6	0.0	33.3	0.0	30.4
Trego	0.0	19.8	0.0	26.3	0.0	19.2	0.0	23.0	0.0	0.0	0.0	16.4
Wabaunsee	0.0	19.1	0.0	8.2	0.0	43.3	0.0	41.7	0.0	28.7	0.0	28.3
Wallace	0.0	16.7	0.0	16.9	0.0	0.0	0.0	18.5	0.0	0.0	0.0	11.0
Washington	0.0	6.4	0.0	10.5	0.0	5.7	0.0	5.6	0.0	0.0	0.0	6.0
Wichita	0.0	66.7	12.5	12.3	0.0	29.4	0.0	18.9	0.0	16.7	2.5	29.2
Wilson	3.2	70.4	0.0	40.9	0.0	60.4	0.0	27.8	3.2	27.7	1.3	46.5
Woodson	0.0	123.3	0.0	49.0	0.0	36.6	0.0	0.0	0.0	54.3	0.0	52.3
Wyandotte	1.6	89.7	1.9	67.3	1.1	73.6	1.4	65.9	1.2	61.4	1.4	73.9
Kansas	0.6	45.1	0.7	40.7	0.4	39.0	0.4	34.0	0.4	31.8	0.5	38.1

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rates per 1,000 female age-group population.

2010-2014 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 5. Pregnancy* Rates † by County of Residence by Year
Females Aged 10-19 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	5-year Rate
Allen	27.4	18.1	23.0	13.0	11.5	18.7
Anderson	27.4	23.2	7.8	13.5	15.2	17.4
Atchison	21.9	21.5	17.1	19.6	18.0	19.7
Barber	27.6	14.1	37.0	14.4	30.7	24.6
Barton	26.8	28.8	23.5	17.8	21.5	23.8
Bourbon	25.7	32.4	33.9	24.8	33.0	29.9
Brown	30.3	36.5	20.9	19.3	21.7	25.7
Butler	16.9	10.6	14.9	11.2	12.1	13.1
Chase	18.8	6.0	5.9	5.7	5.5	8.2
Chautauqua	0.0	24.5	19.4	31.9	0.0	15.1
Cherokee	27.4	29.3	22.3	19.5	29.6	25.6
Cheyenne	0.0	15.4	7.8	31.3	7.1	12.0
Clark	7.1	21.3	19.4	13.4	0.0	12.0
Clay	31.1	24.0	13.5	16.0	16.2	20.2
Cloud	32.7	15.6	15.6	19.7	22.5	21.2
Coffey	12.0	10.3	10.5	6.9	14.0	10.7
Comanche	16.1	21.3	0.0	13.8	6.8	11.4
Cowley	29.3	28.3	25.7	22.0	20.5	25.2
Crawford	19.0	20.4	16.8	18.9	23.4	19.7
Decatur	7.4	52.6	7.0	37.5	31.1	27.4
Dickinson	21.0	24.3	18.7	9.5	14.2	17.6
Doniphan	11.7	8.6	25.2	18.2	7.3	14.1
Douglas	12.6	10.5	11.9	9.2	8.0	10.4
Edwards	24.3	19.6	20.0	5.0	14.3	16.7
Elk	19.5	12.7	13.5	19.6	19.5	17.0
Ellis	23.6	14.4	15.3	16.7	17.8	17.6
Ellsworth	10.1	9.8	10.1	10.6	7.4	9.6
Finney	38.4	37.8	33.2	28.3	27.1	33.1
Ford	37.2	35.0	34.3	27.4	29.5	32.6
Franklin	24.5	18.2	20.9	18.2	16.4	19.7
Geary	41.4	44.7	39.3	32.2	32.4	37.9
Gove	0.0	0.0	5.8	0.0	6.0	2.4
Graham	28.4	28.6	21.9	28.4	30.8	27.6
Grant	41.2	25.8	25.7	27.7	24.7	28.8
Gray	3.9	11.7	14.6	13.9	11.7	11.1
Greeley	0.0	0.0	0.0	0.0	0.0	0.0
Greenwood	27.8	27.4	31.6	21.8	27.5	27.3
Hamilton	40.0	32.3	34.9	30.9	10.8	29.5
Harper	21.7	16.9	16.5	20.7	20.6	19.3
Harvey	20.3	21.6	21.1	19.1	12.8	19.0
Haskell	21.6	16.0	38.3	23.6	21.5	24.2
Hodgeman	7.2	7.5	0.0	8.5	0.0	4.7
Jackson	24.6	16.4	9.7	15.4	16.4	16.4
Jefferson	7.6	10.7	14.9	6.4	6.4	9.2
Jewell	6.8	6.6	31.6	26.1	19.2	18.3
Johnson	11.1	10.0	9.7	7.7	7.9	9.3
Kearny	33.4	19.7	16.6	18.6	17.7	21.3
Kingman	14.5	16.1	11.3	17.4	6.1	13.2
Kiowa	0.0	14.9	16.9	5.6	16.8	10.7
Labette	43.8	26.1	20.5	20.8	19.2	26.5
Lane	0.0	0.0	0.0	7.9	8.5	3.4
Leavenworth	16.9	18.8	19.5	16.3	13.0	16.9
Lincoln	15.7	24.4	15.2	5.0	0.0	12.0
Linn	19.9	16.1	23.8	16.8	16.8	18.6
Logan	6.0	11.8	12.8	13.1	12.7	11.2

Table 5. Pregnancy* Rates † by County of Residence by Year
Females Aged 10-19 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	5-year Rate
Lyon	29.2	23.2	19.0	20.8	19.6	22.4
Mcpherson	12.1	40.0	15.8	9.7	13.3	13.5
Marion	17.2	14.9	9.8	6.5	9.9	11.0
Marshall	13.3	6.7	13.5	13.7	11.8	14.8
Meade	13.6	26.5	5.4	19.8	16.4	16.3
Miami	15.9	14.4	12.9	11.8	10.1	13.0
Mitchell	8.0	19.1	0.0	15.6	10.6	10.8
Montgomery	31.7	24.6	30.7	23.5	18.5	25.9
Morris	27.0	20.3	30.8	15.6	9.4	20.7
Morton	27.6	20.4	26.4	12.2	12.8	19.9
Nemaha	8.7	7.2	5.5	18.3	14.4	10.8
Neosho	30.8	29.6	31.6	15.0	19.2	25.4
Ness	23.5	5.6	16.2	5.3	25.9	15.3
Norton	6.8	23.9	7.0	23.6	21.3	16.6
Osage	16.8	15.3	16.3	11.9	14.3	14.9
Osborne	21.6	30.3	14.0	33.5	28.7	25.6
Ottawa	20.1	7.6	7.7	7.4	5.2	9.6
Pawnee	17.8	17.7	16.6	11.2	27.7	18.0
Phillips	8.2	12.6	18.0	5.3	16.1	12.1
Pottawatomie	9.9	11.5	8.7	5.9	8.1	8.8
Pratt	15.2	27.8	30.2	15.4	19.2	21.5
Rawlins	15.5	7.8	14.0	21.9	7.3	13.3
Reno	22.5	19.6	16.9	18.7	16.5	18.9
Republic	19.4	22.6	18.4	15.8	4.0	16.2
Rice	19.9	22.5	16.3	23.9	10.3	18.6
Riley	17.0	18.1	14.5	13.1	11.4	14.9
Rooks	15.0	15.5	15.2	9.5	6.2	12.3
Rush	37.0	0.0	17.4	5.8	5.7	12.9
Russell	28.6	17.2	23.4	17.9	10.4	19.5
Saline	32.8	27.5	22.2	22.5	16.9	24.5
Scott	16.2	21.7	21.7	17.6	16.1	18.6
Sedgwick	28.4	25.7	22.9	22.1	19.5	23.8
Seward	40.4	49.9	39.1	31.6	32.3	38.6
Shawnee	28.3	26.8	26.0	21.5	19.3	24.4
Sheridan	0.0	13.1	20.8	12.7	6.1	10.5
Sherman	41.1	19.2	35.9	21.4	27.2	28.8
Smith	9.3	9.3	9.2	9.3	0.0	7.5
Stafford	31.8	14.2	35.6	16.4	15.6	22.7
Stanton	29.2	13.2	26.3	13.9	21.1	21.0
Stevens	26.1	11.5	20.0	27.8	20.4	21.1
Sumner	26.4	22.2	23.7	15.6	7.9	19.2
Thomas	12.3	20.4	23.7	16.7	20.3	18.5
Trego	10.6	10.5	10.5	11.7	0.0	8.9
Wabaunsee	8.8	4.3	19.7	19.4	13.3	13.1
Wallace	9.5	8.7	0.0	8.8	0.0	5.4
Washington	2.9	5.7	2.8	2.9	0.0	2.9
Wichita	29.2	13.6	13.7	7.6	7.0	14.2
Wilson	35.3	22.5	27.8	13.5	15.0	22.8
Woodson	52.3	28.1	16.3	0.0	26.2	23.7
Wyandotte	44.8	38.6	35.6	31.8	29.4	36.0
Kansas	23.1	20.9	19.7	17.1	16.0	19.4

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

2010-2014 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Table 6
Pregnancy* Numbers and Rate† and Birth Rates
by Year by Selected Population Groups
Females Aged 15-17 Years, Kansas, 1995-2014

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
1995	n.a.‡	n.a.‡	n.a.‡	n.a.‡	n.a.‡	n.a.‡	22.8	81.2	68.3
1996	1,570	345	303	32.1	84.9	80.2	21.1	68.9	71.4
1997	1,511	377	303	30.0	90.5	74.3	20.7	70.1	67.4
1998	1,399	295	306	27.6	71.0	69.9	18.8	56.1	61.0
1999	1,264	309	336	25.1	74.3	73.9	17.7	58.9	68.0
2000	1,138	271	361	23.0	64.6	75.0	16.3	50.5	66.1
2001	1,160	246	350	23.6	58.2	70.3	16.4	45.6	65.5
2002	1,043	239	346	21.7	54.7	67.9	14.8	42.3	64.2
2003	913	256	342	19.3	58.5	65.9	13.7	41.6	60.5
2004	868	227	338	18.7	52.2	64.5	14.1	40.5	58.8
2005	806	234	360	17.5	52.2	65.7	12.7	38.8	58.2
2006	832	216	378	17.8	46.6	63.0	12.9	33.2	56.6
2007	820	189	475	17.9	39.6	76.2	13.5	32.4	69.8
2008	815	224	443	18.4	47.6	69.8	14.1	37.2	64.7
2009	757	160	416	17.5	34.2	64.3	13.5	26.5	60.4
2010	644	175	394	15.3	45.1	50.1	12.6	35.6	47.7
2011	536	113	344	12.6	23.9	42.3	10.3	19.3	38.5
2012	508	106	298	12.1	22.7	35.9	10.0	17.7	34.0
2013	496	123	288	11.8	26.6	32.7	8.2	16.4	29.0
2014	401	78	246	9.7	16.7	27.1	8.0	14.2	25.8

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

‡ n.a.: Not available. Six months of abortion data from 1995 lack race and ethnicity information, making it impossible to determine number of pregnancies and pregnancy rates by population group.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 7
Pregnancy* Numbers and Rate† and Birth Rates
by Year by Selected Population Groups
Females Aged 18-19 Years, Kansas, 1995-2014

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
1995	n.a.‡	n.a.‡	n.a.‡	n.a.‡	n.a.‡	n.a.‡	76.8	167.5	126.7
1996	2,986	546	442	97.1	215.0	172.4	72.4	163.8	144.3
1997	2,972	536	460	94.7	206.3	168.9	70.9	161.7	139.5
1998	3,020	572	532	92.0	203.6	174.7	70.2	156.9	146.8
1999	3,098	569	543	92.3	200.7	160.7	72.2	156.6	144.5
2000	2,896	529	599	86.7	187.1	171.0	68.9	143.2	145.3
2001	2,711	473	557	81.2	174.2	166.9	63.9	130.7	147.7
2002	2,609	483	581	77.8	175.3	171.5	61.1	128.4	152.3
2003	2,407	408	609	72.5	145.4	173.2	58.4	112.2	156.7
2004	2,308	419	612	69.8	149.3	172.4	55.4	116.9	153.3
2005	2,282	389	647	70.4	138.2	181.3	57.7	110.1	162.3
2006	2,234	457	748	71.8	160.8	215.1	58.0	127.7	188.4
2007	2,293	453	711	73.7	153.1	199.9	60.6	116.6	178.6
2008	2,330	457	767	74.6	147.6	210.8	61.8	117.2	189.1
2009	2,170	467	744	68.6	152.0	176.5	58.9	126.0	158.9
2010	1,895	357	720	63.9	125.8	139.6	56.0	103.3	126.4
2011	1,747	338	700	57.0	102.8	130.4	49.5	90.6	120.2
2012	1,694	297	655	58.3	88.3	120.0	51.0	75.8	110.3
2013	1,437	266	596	50.0	81.2	107.4	43.2	68.4	100.4
2014	1,336	239	562	46.9	73.5	99.6	40.5	63.3	88.8

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

‡ n.a.: Not available. Six months of abortion data from 1995 lack race and ethnicity information, making it impossible to determine number of pregnancies and pregnancy rates by population group.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 8. Pregnancy* Numbers and Rates†and Birth Rates by County of Residence
and Peer Group by Component
Females Aged 10-17 Years, Kansas, 2014

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	0	0	0	0	0.0	0.0
Anderson	1	0	0	1	2.2	2.2
Atchison	7	0	0	7	8.5	8.5
Barber	1	0	0	1	4.6	4.6
Barton	5	0	0	5	3.6	3.6
Bourbon	8	1	0	9	11.5	10.2
Brown	2	0	0	2	3.7	3.7
Butler	14	0	4	18	4.3	3.4
Chase	1	0	0	1	6.4	6.4
Chautauqua	0	0	0	0	0.0	0.0
Cherokee	15	0	2	17	14.3	12.6
Cheyenne	0	0	0	0	0.0	0.0
Clark	0	0	0	0	0.0	0.0
Clay	0	0	0	0	0.0	0.0
Cloud	1	0	1	2	4.4	2.2
Coffey	2	0	1	3	6.4	4.3
Comanche	1	0	0	1	7.8	7.8
Cowley	10	0	0	10	5.3	5.3
Crawford	11	0	1	12	6.5	6.0
Decatur	1	0	0	1	7.4	7.4
Dickinson	3	0	0	3	2.8	2.8
Doniphan	0	0	0	0	0.0	0.0
Douglas	13	0	3	16	3.4	2.8
Edwards	0	0	0	0	0.0	0.0
Elk	0	0	0	0	0.0	0.0
Ellis	7	0	0	7	5.8	5.8
Ellsworth	0	0	1	1	4.5	0.0
Finney	19	0	0	19	8.2	8.2
Ford	21	0	1	22	10.7	10.2
Franklin	5	0	1	6	4.3	3.5
Geary	10	0	2	12	7.0	5.8
Gove	0	0	0	0	0.0	0.0
Graham	1	0	0	1	9.9	9.9
Grant	10	0	0	10	18.6	18.6
Gray	0	0	0	0	0.0	0.0
Greeley	0	0	0	0	0.0	0.0
Greenwood	3	0	1	4	13.1	9.8
Hamilton	1	0	0	1	5.8	5.8
Harper	1	0	0	1	3.7	3.7
Harvey	5	0	2	7	3.7	2.6
Haskell	0	0	0	0	0.0	0.0
Hodgeman	0	0	0	0	0.0	0.0
Jackson	4	0	0	4	5.2	5.2
Jefferson	2	0	0	2	1.9	1.9
Jewell	0	0	0	0	0.0	0.0
Johnson	58	0	20	78	2.4	1.8
Kearny	2	0	0	2	8.4	8.4
Kingman	2	0	0	2	4.9	4.9
Kiowa	0	0	0	0	0.0	0.0
Labette	6	0	0	6	5.8	5.8
Lane	0	0	0	0	0.0	0.0
Leavenworth	12	1	5	18	4.3	2.9
Lincoln	0	0	0	0	0.0	0.0
Linn	2	0	0	2	3.6	3.6
Logan	0	0	0	0	0.0	0.0

Table 8. Pregnancy* Numbers and Rates†and Birth Rates by County of Residence
and Peer Group by Component
Females Aged 10-17 Years, Kansas, 2014

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Lyon	13	0	1	14	8.9	8.2
Mcpherson	3	0	0	3	1.9	1.9
Marion	2	0	1	3	4.7	3.1
Marshall	2	0	0	2	3.9	3.9
Meade	3	0	0	3	10.0	10.0
Miami	4	0	2	6	3.0	2.0
Mitchell	1	0	0	1	3.1	3.1
Montgomery	6	0	0	6	3.6	3.6
Morris	0	0	0	0	0.0	0.0
Morton	1	0	0	1	5.3	5.3
Nemaha	2	0	0	2	3.4	3.4
Neosho	5	0	0	5	5.8	5.8
Ness	0	0	0	0	0.0	0.0
Norton	2	0	0	2	8.3	8.3
Osage	2	0	1	3	3.4	2.3
Osborne	1	0	0	1	6.0	6.0
Ottawa	1	0	0	1	3.3	3.3
Pawnee	1	0	0	1	3.6	3.6
Phillips	1	1	1	3	9.7	3.2
Pottawatomie	4	0	1	5	3.4	2.8
Pratt	1	0	2	3	6.3	2.1
Rawlins	0	0	0	0	0.0	0.0
Reno	16	1	2	19	5.8	4.8
Republic	1	0	0	1	4.8	4.8
Rice	2	0	0	2	3.9	3.9
Riley	8	0	0	8	3.7	3.7
Rooks	1	0	0	1	3.6	3.6
Rush	0	0	1	1	6.7	0.0
Russell	2	0	0	2	6.2	6.2
Saline	14	0	2	16	5.6	4.9
Scott	1	0	2	3	9.2	3.1
Sedgwick	158	1	23	182	6.4	5.6
Seward	17	0	0	17	12.0	12.0
Shawnee	55	1	7	63	6.7	5.8
Sheridan	0	0	0	0	0.0	0.0
Sherman	5	0	0	5	16.2	16.2
Smith	0	0	0	0	0.0	0.0
Stafford	1	0	0	1	4.7	4.7
Stanton	1	0	0	1	7.9	7.9
Stevens	2	0	0	2	5.4	5.4
Sumner	4	0	0	4	2.9	2.9
Thomas	1	0	0	1	2.6	2.6
Trego	0	0	0	0	0.0	0.0
Wabaunsee	2	0	0	2	5.2	5.2
Wallace	0	0	0	0	0.0	0.0
Washington	0	0	0	0	0.0	0.0
Wichita	0	0	0	0	0.0	0.0
Wilson	2	0	1	3	5.8	3.9
Woodson	2	0	0	2	12.2	12.2
Wyandotte	90	1	12	103	11.0	9.6
Kansas	707	7	104	818	5.3	4.6
Peer Group						
Frontier	24	0	2	26	4.6	4.2
Rural	50	1	10	61	4.5	3.7
Densely-Settled Rural	154	1	6	161	6.4	6.2
Semi-Urban	93	1	16	110	4.8	4.0
Urban	386	4	70	460	5.2	4.4

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population
Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 9. Pregnancies* by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	Teenage Pregnancies 2009-2013
Allen	8	4	4	7	0	23
Anderson	1	2	3	1	1	8
Atchison	6	9	6	4	7	32
Barber	3	1	3	0	1	8
Barton	13	17	14	9	5	58
Bourbon	10	5	6	9	9	39
Brown	6	5	2	4	2	19
Butler	27	14	13	17	18	89
Chase	1	1	0	0	1	3
Chautauqua	0	1	0	1	0	2
Cherokee	10	10	8	11	17	56
Cheyenne	0	1	1	2	0	4
Clark	1	1	2	0	0	4
Clay	8	3	1	1	0	13
Cloud	8	1	2	3	2	16
Coffey	2	1	1	1	3	8
Comanche	0	0	0	0	1	1
Cowley	24	22	18	11	10	85
Crawford	10	11	8	11	12	52
Decatur	0	2	0	0	1	3
Dickinson	7	6	7	2	3	25
Doniphan	3	1	5	1	0	10
Douglas	23	20	14	14	16	87
Edwards	2	3	2	0	0	7
Elk	1	0	0	1	0	2
Ellis	9	8	8	7	7	39
Ellsworth	0	1	2	1	1	5
Finney	40	32	32	25	19	148
Ford	26	24	28	21	22	121
Franklin	10	6	13	6	6	41
Geary	23	17	8	8	12	68
Gove	0	0	0	0	0	0
Graham	0	0	1	1	1	3
Grant	9	4	4	8	10	35
Gray	0	3	3	2	0	8
Greeley	0	0	0	0	0	0
Greenwood	3	2	2	3	4	14
Hamilton	2	1	1	0	1	5
Harper	4	1	1	0	1	7
Harvey	13	13	12	10	7	55
Haskell	2	1	1	4	0	8
Hodgeman	0	0	0	0	0	0
Jackson	2	7	4	3	4	20
Jefferson	3	3	9	2	2	19
Jewell	0	0	1	0	0	1
Johnson	109	89	96	64	78	436
Kearny	3	1	1	3	2	10
Kingman	2	2	1	2	2	9
Kiowa	0	2	1	0	0	3
Labette	16	9	4	9	6	44
Lane	0	0	0	1	0	1
Leavenworth	29	24	32	28	18	131
Lincoln	1	2	1	1	0	5
Linn	5	3	4	7	2	21
Logan	1	0	0	1	0	2

Table 9. Pregnancies* by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	Teenage Pregnancies 2009-2013
Lyon	21	16	13	17	14	81
Mcpherson	3	11	4	4	3	25
Marion	2	1	0	4	3	10
Marshall	2	1	5	1	2	11
Meade	2	2	2	1	3	10
Miami	11	12	9	4	6	42
Mitchell	0	2	0	0	1	3
Montgomery	19	14	17	11	6	67
Morris	2	4	4	1	0	11
Morton	2	3	2	2	1	10
Nemaha	0	0	0	3	2	5
Neosho	8	10	7	2	5	32
Ness	0	0	1	0	0	1
Norton	0	2	1	1	2	6
Osage	3	2	3	2	3	13
Osborne	1	3	2	0	1	7
Ottawa	2	2	1	0	1	6
Pawnee	2	1	1	3	1	8
Phillips	0	1	2	0	3	6
Pottawatomie	5	4	1	3	5	18
Pratt	4	4	4	1	3	16
Rawlins	0	0	0	0	0	0
Reno	29	21	17	18	19	104
Republic	3	1	3	1	1	9
Rice	5	2	2	6	2	17
Riley	15	17	11	7	8	58
Rooks	1	1	1	1	1	5
Rush	2	0	0	0	1	3
Russell	5	1	0	2	2	10
Saline	33	34	15	28	16	126
Scott	3	3	1	1	3	11
Sedgwick	322	259	227	213	182	1,203
Seward	26	30	18	20	17	111
Shawnee	100	86	96	70	63	415
Sheridan	0	0	0	1	0	1
Sherman	4	2	2	2	5	15
Smith	2	1	0	0	0	3
Stafford	5	1	1	0	1	8
Stanton	3	2	1	0	1	7
Stevens	3	1	2	5	2	13
Sumner	17	9	10	6	4	46
Thomas	0	5	3	2	1	11
Trego	0	1	2	0	0	3
Wabaunsee	3	0	0	1	2	6
Wallace	0	0	0	0	0	0
Washington	0	1	0	0	0	1
Wichita	2	1	0	1	0	4
Wilson	7	4	3	1	3	18
Woodson	2	1	1	0	2	6
Wyandotte	187	154	124	109	103	677
n.s.†	3	4	6	0	0	13
Kansas	1,357	1,133	1,015	882	818	5,205

*Pregnancies include the sum of live births, stillbirths and abortions.

†n.s.: Not Stated

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 10. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	5-year Rate
Allen	11.9	6.1	6.1	10.9	0.0	7.0
Anderson	2.3	4.5	6.9	2.3	2.2	3.7
Atchison	6.4	9.9	6.9	4.7	8.5	7.3
Barber	12.1	4.4	13.9	0.0	4.6	7.0
Barton	8.8	11.4	9.7	6.3	3.6	8.0
Bourbon	12.1	6.3	7.5	11.4	11.5	9.8
Brown	11.3	9.6	3.9	7.7	3.7	7.2
Butler	6.5	3.4	3.2	4.1	4.3	4.3
Chase	7.1	7.0	0.0	0.0	6.4	4.1
Chautauqua	0.0	6.0	0.0	6.6	0.0	2.4
Cherokee	8.3	8.3	6.7	9.0	14.3	9.3
Cheyenne	0.0	9.6	9.3	18.7	0.0	7.2
Clark	7.9	8.3	14.8	0.0	0.0	6.2
Clay	18.4	6.8	2.3	2.4	0.0	6.1
Cloud	17.3	2.2	4.3	6.7	4.4	7.0
Coffey	4.0	2.0	2.0	2.1	6.4	3.3
Comanche	0.0	0.0	0.0	0.0	7.8	1.6
Cowley	12.2	11.6	9.4	5.7	5.3	8.9
Crawford	5.4	6.0	4.3	6.0	6.5	5.6
Decatur	0.0	17.4	0.0	0.0	7.4	4.7
Dickinson	6.5	5.7	6.5	1.9	2.8	4.7
Doniphan	7.4	2.5	13.3	2.7	0.0	5.2
Douglas	5.2	4.7	3.1	3.0	3.4	3.9
Edwards	11.1	17.5	12.7	0.0	0.0	8.2
Elk	7.3	0.0	0.0	8.1	0.0	3.1
Ellis	7.7	7.0	6.9	5.8	5.8	6.6
Ellsworth	0.0	3.8	8.2	4.4	4.5	4.1
Finney	15.9	12.7	12.7	10.5	8.2	12.1
Ford	12.7	11.5	13.3	9.9	10.7	11.6
Franklin	7.1	4.3	9.6	4.3	4.3	5.9
Geary	13.0	9.3	4.4	4.4	7.0	7.6
Gove	0.0	0.0	0.0	0.0	0.0	0.0
Graham	0.0	0.0	8.5	8.5	9.9	5.2
Grant	18.6	7.6	7.5	14.6	18.6	13.3
Gray	0.0	7.0	7.4	4.7	0.0	3.8
Greeley	0.0	0.0	0.0	0.0	0.0	0.0
Greenwood	8.9	5.8	6.1	9.6	13.1	8.6
Hamilton	14.5	7.0	7.4	0.0	5.8	6.8
Harper	12.5	3.3	3.4	0.0	3.7	4.8
Harvey	6.6	6.7	6.2	5.3	3.7	5.7
Haskell	6.3	3.3	3.3	14.4	0.0	5.5
Hodgeman	0.0	0.0	0.0	0.0	0.0	0.0
Jackson	2.6	9.0	5.1	3.9	5.2	5.2
Jefferson	2.7	2.7	8.5	1.9	1.9	3.5
Jewell	0.0	0.0	7.8	0.0	0.0	1.6
Johnson	3.5	2.8	3.0	2.0	2.4	2.8
Kearny	12.1	3.9	3.9	13.1	8.4	8.1
Kingman	4.1	4.2	2.2	4.5	4.9	4.0
Kiowa	0.0	14.7	7.9	0.0	0.0	4.8
Labette	14.5	8.6	3.8	8.8	5.8	8.4
Lane	0.0	0.0	0.0	9.4	0.0	2.0
Leavenworth	7.1	5.8	7.7	6.8	4.3	6.3
Lincoln	6.0	11.6	6.0	5.8	0.0	5.8
Linn	9.9	5.7	7.8	12.3	3.6	7.9
Logan	7.2	0.0	0.0	7.8	0.0	3.0

Table 10. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	5-year Rate
Lyon	12.8	9.9	8.1	10.7	8.9	10.1
Mcpherson	2.0	17.9	2.5	2.5	1.9	3.2
Marion	3.1	2.0	0.0	6.7	4.7	3.2
Marshall	3.9	0.6	10.0	2.0	3.9	4.4
Meade	6.1	6.3	6.5	3.4	10.0	6.5
Miami	5.4	5.9	4.5	2.0	3.0	4.2
Mitchell	0.0	6.4	0.0	0.0	3.1	1.9
Montgomery	11.3	8.3	10.2	6.6	3.6	8.0
Morris	7.3	13.9	14.4	3.7	0.0	8.0
Morton	9.5	14.3	10.0	9.7	5.3	9.8
Nemaha	0.0	0.0	0.0	5.0	3.4	1.7
Neosho	9.0	11.0	7.7	2.2	5.8	7.1
Ness	0.0	0.0	6.9	0.0	0.0	1.3
Norton	0.0	8.5	4.2	4.1	8.3	4.9
Osage	3.1	2.1	3.2	2.1	3.4	2.8
Osborne	4.9	16.1	11.7	0.0	6.0	7.8
Ottawa	5.6	5.6	3.0	0.0	3.3	3.6
Pawnee	5.9	3.0	3.3	10.0	3.6	5.2
Phillips	0.0	2.9	6.3	0.0	9.7	3.7
Pottawatomie	3.7	2.9	0.7	2.1	3.4	2.6
Pratt	8.3	8.3	8.5	2.0	6.3	6.6
Rawlins	0.0	0.0	0.0	0.0	0.0	0.0
Reno	8.8	6.5	5.2	5.4	5.8	6.3
Republic	13.2	4.6	13.4	4.7	4.8	8.2
Rice	9.7	3.9	4.1	12.2	3.9	6.8
Riley	6.7	7.6	4.8	3.1	3.7	5.2
Rooks	3.7	3.8	3.6	3.8	3.6	3.7
Rush	15.2	0.0	0.0	0.0	6.7	4.2
Russell	14.7	3.0	0.0	6.3	6.2	6.1
Saline	11.3	11.7	5.2	9.8	5.6	8.7
Scott	11.3	10.8	3.5	3.4	9.2	7.6
Sedgwick	11.3	9.1	8.0	7.5	6.4	8.5
Seward	18.7	21.4	12.5	14.0	12.0	15.7
Shawnee	10.7	9.2	10.2	7.4	6.7	8.8
Sheridan	0.0	0.0	0.0	7.5	0.0	1.5
Sherman	14.4	7.1	6.6	6.3	16.2	10.1
Smith	11.1	5.6	0.0	0.0	0.0	3.4
Stafford	20.8	4.3	4.8	0.0	4.7	7.3
Stanton	21.1	15.2	8.1	0.0	7.9	10.9
Stevens	8.4	2.9	5.3	13.6	5.4	7.2
Sumner	12.0	6.4	7.2	4.3	2.9	6.6
Thomas	0.0	12.3	7.2	4.9	2.6	5.4
Trego	0.0	6.4	13.1	0.0	0.0	4.0
Wabaunsee	7.8	0.0	0.0	2.5	5.2	3.1
Wallace	0.0	0.0	0.0	0.0	0.0	0.0
Washington	0.0	3.4	0.0	0.0	0.0	0.7
Wichita	16.1	8.0	0.0	8.6	0.0	6.6
Wilson	13.6	8.4	6.3	2.0	5.8	7.2
Woodson	14.0	6.4	6.2	0.0	12.2	7.5
Wyandotte	20.9	17.3	13.9	12.0	11.0	15.0
Kansas	8.8	7.3	6.6	5.7	5.3	6.7

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

2009-2013 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 11. Pregnancy* Numbers and Rates† and Birth Rates by County of Residence
and Peer Group by Component, Females Aged 15-17 Years, Kansas, 2014

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	0	0	0	0	0.0	0.0
Anderson	1	0	0	1	6.2	6.2
Atchison	7	0	0	7	22.7	22.7
Barber	1	0	0	1	12.2	12.2
Barton	5	0	0	5	9.3	9.3
Bourbon	8	1	0	9	30.2	26.8
Brown	2	0	0	2	11.0	11.0
Butler	14	0	4	18	11.1	8.6
Chase	1	0	0	1	16.4	16.4
Chautauqua	0	0	0	0	0.0	0.0
Cherokee	15	0	2	17	36.8	32.5
Cheyenne	0	0	0	0	0.0	0.0
Clark	0	0	0	0	0.0	0.0
Clay	0	0	0	0	0.0	0.0
Cloud	1	0	1	2	11.9	6.0
Coffey	2	0	1	3	16.5	11.0
Comanche	1	0	0	1	18.9	18.9
Cowley	10	0	0	10	13.9	13.9
Crawford	10	0	1	11	15.3	13.9
Decatur	1	0	0	1	20.0	20.0
Dickinson	3	0	0	3	7.6	7.6
Doniphan	0	0	0	0	0.0	0.0
Douglas	12	0	3	15	8.9	7.1
Edwards	0	0	0	0	0.0	0.0
Elk	0	0	0	0	0.0	0.0
Ellis	6	0	0	6	14.4	14.4
Ellsworth	0	0	1	1	11.8	0.0
Finney	19	0	0	19	20.7	20.7
Ford	21	0	1	22	29.3	28.0
Franklin	4	0	1	5	9.9	7.9
Geary	10	0	2	12	21.5	17.9
Gove	0	0	0	0	0.0	0.0
Graham	1	0	0	1	24.4	24.4
Grant	9	0	0	9	42.9	42.9
Gray	0	0	0	0	0.0	0.0
Greeley	0	0	0	0	0.0	0.0
Greenwood	3	0	1	4	35.1	26.3
Hamilton	1	0	0	1	14.7	14.7
Harper	1	0	0	1	8.9	8.9
Harvey	5	0	2	7	9.7	6.9
Haskell	0	0	0	0	0.0	0.0
Hodgeman	0	0	0	0	0.0	0.0
Jackson	4	0	0	4	13.4	13.4
Jefferson	2	0	0	2	5.0	5.0
Jewell	0	0	0	0	0.0	0.0
Johnson	55	0	18	73	6.2	4.6
Kearny	2	0	0	2	22.2	22.2
Kingman	2	0	0	2	12.0	12.0
Kiowa	0	0	0	0	0.0	0.0
Labette	6	0	0	6	14.8	14.8
Lane	0	0	0	0	0.0	0.0
Leavenworth	12	1	5	18	11.6	7.7
Lincoln	0	0	0	0	0.0	0.0
Linn	2	0	0	2	9.1	9.1
Logan	0	0	0	0	0.0	0.0

**Table 11. Pregnancy* Numbers and Rates† and Birth Rates by County of Residence
and Peer Group by Component, Females Aged 15-17 Years, Kansas, 2014**

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Lyon	12	0	1	13	23.7	21.9
Mcpherson	3	0	0	3	5.2	5.2
Marion	2	0	1	3	11.8	7.8
Marshall	2	0	0	2	10.9	10.9
Meade	3	0	0	3	23.4	23.4
Miami	4	0	2	6	8.0	5.3
Mitchell	1	0	0	1	7.8	7.8
Montgomery	6	0	0	6	10.1	10.1
Morris	0	0	0	0	0.0	0.0
Morton	1	0	0	1	14.5	14.5
Nemaha	2	0	0	2	8.7	8.7
Neosho	5	0	0	5	15.8	15.8
Ness	0	0	0	0	0.0	0.0
Norton	2	0	0	2	21.5	21.5
Osage	2	0	1	3	8.7	5.8
Osborne	1	0	0	1	15.4	15.4
Ottawa	1	0	0	1	8.2	8.2
Pawnee	1	0	0	1	8.6	8.6
Phillips	0	0	1	1	8.9	0.0
Pottawatomie	4	0	1	5	9.4	7.5
Pratt	1	0	2	3	17.0	5.7
Rawlins	0	0	0	0	0.0	0.0
Reno	16	1	2	19	15.3	12.9
Republic	1	0	0	1	11.8	11.8
Rice	2	0	0	2	10.5	10.5
Riley	8	0	0	8	10.2	10.2
Rooks	1	0	0	1	10.1	10.1
Rush	0	0	1	1	19.6	0.0
Russell	2	0	0	2	15.6	15.6
Saline	14	0	2	16	14.6	12.8
Scott	1	0	2	3	28.0	9.3
Sedgwick	150	1	19	170	16.3	14.3
Seward	17	0	0	17	34.6	34.6
Shawnee	54	1	7	62	17.3	15.1
Sheridan	0	0	0	0	0.0	0.0
Sherman	4	0	0	4	31.5	31.5
Smith	0	0	0	0	0.0	0.0
Stafford	1	0	0	1	11.2	11.2
Stanton	1	0	0	1	20.0	20.0
Stevens	2	0	0	2	16.3	16.3
Sumner	4	0	0	4	8.0	8.0
Thomas	1	0	0	1	6.7	6.7
Trego	0	0	0	0	0.0	0.0
Wabaunsee	2	0	0	2	14.4	14.4
Wallace	0	0	0	0	0.0	0.0
Washington	0	0	0	0	0.0	0.0
Wichita	0	0	0	0	0.0	0.0
Wilson	1	0	1	2	9.9	4.9
Woodson	2	0	0	2	30.8	30.8
Wyandotte	87	1	8	96	28.2	25.6
Kansas	683	6	94	783	13.6	11.8
Peer Group						
Frontier	23	0	2	25	11.3	10.4
Rural	47	0	10	57	12.0	9.9
Densely-Settled Rural	152	1	6	159	16.6	15.8
Semi-Urban	91	1	16	108	12.6	10.6
Urban	370	4	60	434	13.3	11.4

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 12. Pregnancies* by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	Teenage Pregnancies 2010-2014
Allen	8	4	4	7	0	23
Anderson	1	2	3	1	1	8
Atchison	6	9	6	4	7	32
Barber	2	1	3	0	1	7
Barton	13	17	13	9	5	57
Bourbon	10	5	6	8	9	38
Brown	5	5	2	4	2	18
Butler	27	14	13	15	18	87
Chase	1	1	0	0	1	3
Chautauqua	0	1	0	1	0	2
Cherokee	9	10	7	11	17	54
Cheyenne	0	1	1	1	0	3
Clark	1	1	2	0	0	4
Clay	6	3	1	1	0	11
Cloud	8	1	2	3	2	16
Coffey	2	1	1	1	3	8
Comanche	0	0	0	0	1	1
Cowley	22	22	18	11	10	83
Crawford	10	9	7	11	11	48
Decatur	0	2	0	0	1	3
Dickinson	7	5	6	2	3	23
Doniphan	3	1	3	1	0	8
Douglas	22	19	12	12	15	80
Edwards	1	3	2	0	0	6
Elk	1	0	0	1	0	2
Ellis	8	8	7	7	6	36
Ellsworth	0	0	2	0	1	3
Finney	39	29	31	25	19	143
Ford	25	24	28	20	22	119
Franklin	9	5	13	6	5	38
Geary	22	17	8	5	12	64
Gove	0	0	0	0	0	0
Graham	0	0	1	1	1	3
Grant	9	4	4	8	9	34
Gray	0	3	3	3	0	9
Greeley	0	0	0	0	0	0
Greenwood	3	2	2	3	4	14
Hamilton	2	1	1	0	1	5
Harper	4	1	1	0	1	7
Harvey	13	13	12	10	7	55
Haskell	2	1	1	4	0	8
Hodgeman	0	0	0	0	0	0
Jackson	2	7	4	3	4	20
Jefferson	3	3	9	2	2	19
Jewell	0	0	1	0	0	1
Johnson	104	83	94	60	73	414
Kearny	2	1	1	3	2	9
Kingman	2	2	1	2	2	9
Kiowa	0	2	1	0	0	3
Labette	16	7	4	8	6	41
Lane	0	0	0	1	0	1
Leavenworth	25	19	31	27	18	120
Lincoln	1	2	1	1	0	5
Linn	5	3	4	7	2	21
Logan	1	0	0	1	0	2

Table 12. Pregnancies* by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	Teenage Pregnancies 2010-2014
Lyon	19	15	13	14	13	74
Mcpherson	2	10	3	4	3	22
Marion	2	1	0	4	3	10
Marshall	2	1	5	1	2	11
Meade	2	2	2	1	3	10
Miami	10	12	9	4	6	41
Mitchell	0	2	0	0	1	3
Montgomery	18	13	17	10	6	64
Morris	2	4	3	1	0	10
Morton	2	3	2	3	1	11
Nemaha	0	0	0	2	2	4
Neosho	8	10	7	2	5	32
Ness	0	0	1	0	0	1
Norton	0	2	1	1	2	6
Osage	3	2	3	2	3	13
Osborne	1	3	2	0	1	7
Ottawa	2	2	1	0	1	6
Pawnee	2	1	1	2	1	7
Phillips	0	0	2	0	1	3
Pottawatomie	5	4	1	3	5	18
Pratt	4	4	3	1	3	15
Rawlins	0	0	0	0	0	0
Reno	29	19	16	18	19	101
Republic	3	1	3	1	1	9
Rice	4	2	2	6	2	16
Riley	13	15	10	7	8	53
Rooks	1	1	1	0	1	4
Rush	2	0	0	0	1	3
Russell	5	1	0	1	2	9
Saline	33	31	14	28	16	122
Scott	3	3	1	1	3	11
Sedgwick	313	242	214	205	170	1,144
Seward	25	29	18	19	17	108
Shawnee	95	79	94	70	62	400
Sheridan	0	0	0	1	0	1
Sherman	4	2	2	2	4	14
Smith	2	1	0	0	0	3
Stafford	5	1	1	0	1	8
Stanton	3	2	1	0	1	7
Stevens	3	1	2	4	2	12
Sumner	17	9	9	6	4	45
Thomas	0	5	3	2	1	11
Trego	0	1	2	0	0	3
Wabaunsee	3	0	0	1	2	6
Wallace	0	0	0	0	0	0
Washington	0	1	0	0	0	1
Wichita	2	0	0	1	0	3
Wilson	6	4	3	1	2	16
Woodson	2	1	1	0	2	6
Wyandotte	178	143	118	101	96	636
n.s.†	1	4	5	0	0	10
Kansas	1,298	1,063	973	841	783	4,958

*Pregnancies include the sum of live births, stillbirths and abortions.

†n.s.: Not Stated

Residenc data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 13. Pregnancy* Rates† by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2010-2014

County of Residence	2009	2010	2011	2012	2013	2014	5-year Rate
Allen	27.2	29.2	16.0	15.9	29.7	0.0	18.6
Anderson	29.2	6.3	11.8	18.9	6.4	6.2	9.9
Atchison	18.7	15.9	23.2	17.1	12.2	22.7	18.3
Barber	31.6	18.2	10.3	33.7	0.0	12.2	14.9
Barton	32.1	22.9	29.4	23.6	16.2	9.3	20.4
Bourbon	27.5	31.9	16.9	19.1	25.7	30.2	24.8
Brown	19.2	23.0	25.4	10.0	20.5	11.0	18.2
Butler	17.7	17.3	9.2	8.5	9.7	11.1	11.2
Chase	0.0	18.9	20.8	0.0	0.0	16.4	11.2
Chautauqua	13.0	0.0	15.2	0.0	16.1	0.0	5.8
Cherokee	32.3	21.2	22.6	15.6	23.4	36.8	24.0
Cheyenne	0.0	0.0	26.3	25.0	27.8	0.0	14.6
Clark	0.0	20.0	21.3	37.7	0.0	0.0	16.3
Clay	16.8	33.5	16.6	6.1	6.2	0.0	12.9
Cloud	21.9	42.6	5.8	11.8	17.8	11.9	18.5
Coffey	16.8	11.0	5.0	4.9	4.9	16.5	8.2
Comanche	0.0	0.0	0.0	0.0	0.0	18.9	4.5
Cowley	34.3	30.6	31.6	25.0	14.7	13.9	23.0
Crawford	22.2	14.8	13.8	10.3	16.7	15.3	14.2
Decatur	0.0	0.0	52.6	0.0	0.0	20.0	13.3
Dickinson	27.4	15.6	11.8	14.6	5.2	7.6	11.2
Doniphan	19.4	19.2	6.5	20.8	6.7	0.0	10.7
Douglas	11.9	13.0	11.4	7.2	7.2	8.9	9.5
Edwards	13.2	13.9	49.2	37.7	0.0	0.0	19.2
Elk	0.0	15.9	0.0	0.0	19.6	0.0	7.5
Ellis	22.6	18.3	18.0	16.1	16.2	14.4	16.6
Ellsworth	0.0	0.0	0.0	20.2	0.0	11.8	6.1
Finney	41.6	42.8	31.6	34.3	27.4	20.7	31.3
Ford	40.4	33.6	32.6	37.5	25.8	29.3	31.7
Franklin	15.5	16.8	9.3	27.4	11.9	9.9	14.8
Geary	39.9	35.4	27.1	13.6	8.3	21.5	21.3
Gove	17.5	0.0	0.0	0.0	0.0	0.0	0.0
Graham	0.0	0.0	0.0	18.5	20.4	24.4	12.0
Grant	49.5	54.2	21.9	21.1	40.4	42.9	35.9
Gray	6.7	0.0	17.6	19.0	18.6	0.0	11.1
Greeley	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Greenwood	8.5	26.1	16.7	15.9	25.0	35.1	23.5
Hamilton	86.2	39.2	24.4	30.3	0.0	14.7	20.5
Harper	17.9	32.8	7.7	8.1	0.0	8.9	11.6
Harvey	19.8	17.3	18.2	16.4	13.8	9.7	15.1
Haskell	37.4	16.5	9.1	8.6	34.8	0.0	14.2
Hodgeman	26.3	0.0	0.0	0.0	0.0	0.0	0.0
Jackson	22.2	7.2	23.0	13.1	10.5	13.4	13.6
Jefferson	12.3	6.7	7.3	21.9	5.0	5.0	9.2
Jewell	0.0	0.0	0.0	18.9	0.0	0.0	3.8
Johnson	12.1	9.1	7.1	8.1	5.1	6.2	7.1
Kearny	28.6	22.7	10.3	10.3	30.3	22.2	19.1
Kingman	21.1	10.5	9.8	5.3	10.9	12.0	9.6
Kiowa	21.7	0.0	34.5	18.5	0.0	0.0	12.0
Labette	33.0	36.0	16.8	10.6	21.7	14.8	20.4
Lane	25.6	0.0	0.0	0.0	20.8	0.0	5.1
Leavenworth	16.7	16.2	12.6	20.7	18.4	11.6	15.8
Lincoln	31.7	15.4	31.7	18.5	17.5	0.0	16.6
Linn	15.6	29.2	15.5	20.4	30.7	9.1	20.8
Logan	35.7	18.2	0.0	0.0	22.7	0.0	8.5

Table 13. Pregnancy* Rates† by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2010-2014

County of Residence	2009	2010	2011	2012	2013	2014	5-year Rate
Lyon	22.1	29.4	22.9	21.2	24.0	23.7	24.3
Mcpherson	43.1	3.7	17.3	5.2	6.6	5.2	7.6
Marion	4.5	8.0	4.4	0.0	17.3	11.8	8.2
Marshall	0.0	10.4	5.7	29.1	5.5	10.9	12.2
Meade	52.1	15.0	15.9	14.3	8.0	23.4	15.3
Miami	24.8	13.6	14.8	11.6	5.4	8.0	10.8
Mitchell	0.0	0.0	17.5	0.0	0.0	7.8	5.1
Montgomery	20.4	26.9	19.8	26.3	16.7	10.1	20.2
Morris	24.2	19.4	38.8	28.8	9.3	0.0	18.9
Morton	80.0	28.2	39.0	24.7	36.6	14.5	28.9
Nemaha	4.5	0.0	0.0	0.0	9.2	8.7	3.5
Neosho	21.9	23.7	28.1	20.1	6.1	15.8	19.0
Ness	0.0	0.0	0.0	20.0	0.0	0.0	3.4
Norton	10.2	0.0	20.4	10.4	11.1	21.5	12.3
Osage	12.5	8.4	5.6	7.8	5.3	8.7	7.1
Osborne	0.0	11.6	39.0	26.7	0.0	15.4	18.7
Ottawa	0.0	14.9	11.6	6.9	0.0	8.2	8.5
Pawnee	30.3	16.9	8.8	8.8	16.1	8.6	11.9
Phillips	9.1	0.0	0.0	16.9	0.0	8.9	5.0
Pottawatomie	17.2	10.3	7.9	1.9	5.7	9.4	7.0
Pratt	20.1	20.8	20.5	16.0	5.1	17.0	15.8
Rawlins	19.6	0.0	0.0	0.0	0.0	0.0	0.0
Reno	27.9	23.5	15.9	13.5	14.7	15.3	16.6
Republic	12.2	32.6	12.7	38.0	12.8	11.8	21.8
Rice	42.3	20.1	11.1	11.7	32.4	10.5	17.3
Riley	26.9	16.4	19.3	13.1	9.0	10.2	13.6
Rooks	10.3	9.7	9.8	10.2	0.0	10.1	8.0
Rush	0.0	36.4	0.0	0.0	0.0	19.6	11.3
Russell	35.4	34.0	7.1	0.0	8.3	15.6	13.6
Saline	33.5	31.0	28.3	12.5	25.8	14.6	22.3
Scott	9.6	30.6	34.1	10.9	10.5	28.0	22.9
Sedgwick	34.2	29.3	22.9	20.6	19.5	16.3	21.8
Seward	61.7	48.8	55.7	33.5	37.6	34.6	42.1
Shawnee	26.3	27.2	22.9	26.5	19.6	17.3	22.7
Sheridan	0.0	0.0	0.0	0.0	20.4	0.0	4.3
Sherman	0.0	43.0	21.1	19.8	16.4	31.5	26.0
Smith	14.3	26.0	12.5	0.0	0.0	0.0	8.2
Stafford	12.5	50.5	11.5	10.9	0.0	11.2	17.4
Stanton	17.9	60.0	42.6	31.3	0.0	20.0	32.3
Stevens	32.0	20.8	8.1	13.3	29.6	16.3	17.8
Sumner	16.0	32.1	16.5	17.2	11.5	8.0	17.2
Thomas	51.1	0.0	30.7	18.0	12.0	6.7	13.3
Trego	15.9	0.0	12.0	30.3	0.0	0.0	9.0
Wabaunsee	20.8	21.9	0.0	0.0	6.5	14.4	8.3
Wallace	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Washington	9.3	0.0	9.3	0.0	0.0	0.0	1.7
Wichita	37.0	42.6	0.0	0.0	27.0	0.0	14.4
Wilson	19.4	29.3	23.4	17.6	5.0	9.9	16.9
Woodson	0.0	45.5	16.9	16.7	0.0	30.8	20.1
Wyandotte	56.2	53.3	44.1	36.5	30.2	28.2	38.4
Kansas	25.2	22.4	18.4	15.9	14.6	13.6	18.6

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 14. Pregnancy* Numbers and Rates†, by County of Residence by Component
Females Aged 18-19 Years, Kansas, 2014

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate†				
Allen	9	43.7	0	1	10	48.5
Anderson	7	85.4	0	0	7	85.4
Atchison	16	35.7	0	0	16	35.7
Barber	7	166.7	0	0	7	166.7
Barton	32	88.4	0	1	33	91.2
Bourbon	22	119.6	0	1	23	125.0
Brown	11	98.2	0	1	12	107.1
Butler	33	37.2	0	10	43	48.4
Chase	0	0.0	0	0	0	0.0
Chautauqua	0	0.0	0	0	0	0.0
Cherokee	24	102.6	0	1	25	106.8
Cheyenne	1	55.6	0	0	1	55.6
Clark	0	0.0	0	0	0	0.0
Clay	8	100.0	0	0	8	100.0
Cloud	10	59.2	0	2	12	71.0
Coffey	4	39.6	0	1	5	49.5
Comanche	0	0.0	0	0	0	0.0
Cowley	39	65.7	0	2	41	69.0
Crawford	46	56.9	0	4	50	61.8
Decatur	4	153.8	0	0	4	153.8
Dickinson	14	68.0	0	1	15	72.8
Doniphan	4	22.2	0	0	4	22.2
Douglas	35	9.4	0	16	51	13.7
Edwards	3	111.1	0	0	3	111.1
Elk	3	115.4	0	0	3	115.4
Ellis	19	32.4	1	5	25	42.6
Ellsworth	1	20.0	0	0	1	20.0
Finney	56	100.2	0	3	59	105.5
Ford	47	102.8	0	5	52	113.8
Franklin	21	59.0	0	2	23	64.6
Geary	46	121.7	0	10	56	148.1
Gove	1	33.3	0	0	1	33.3
Graham	3	103.4	0	0	3	103.4
Grant	6	55.6	0	0	6	55.6
Gray	6	64.5	0	0	6	64.5
Greeley	0	0.0	0	0	0	0.0
Greenwood	5	86.2	0	1	6	103.4
Hamilton	1	76.9	0	0	1	76.9
Harper	6	88.2	0	0	6	88.2
Harvey	21	41.3	0	3	24	47.2
Haskell	6	96.8	0	1	7	112.9
Hodgeman	0	0.0	0	0	0	0.0
Jackson	9	62.5	0	2	11	76.4
Jefferson	6	31.3	0	0	6	31.3
Jewell	3	100.0	0	0	3	100.0
Johnson	159	25.9	3	63	225	36.7
Kearny	3	66.7	0	0	3	66.7
Kingman	1	12.5	0	0	1	12.5
Kiowa	2	29.4	0	1	3	44.1
Labette	18	83.7	0	0	18	83.7
Lane	1	45.5	0	0	1	45.5
Leavenworth	39	50.6	1	6	46	59.7
Lincoln	0	0.0	0	0	0	0.0
Linn	8	85.1	0	1	9	95.7
Logan	2	74.1	0	0	2	74.1

Table 14. Pregnancy* Numbers and Rates†, by County of Residence by Component
Females Aged 18-19 Years, Kansas, 2014

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate†				
Lyon	28	34.1	0	5	33	40.1
Mcpherson	20	53.2	0	3	23	61.2
Marion	5	28.7	0	0	5	28.7
Marshall	5	57.5	0	0	5	57.5
Meade	2	29.9	0	1	3	44.8
Miami	17	45.1	0	1	18	47.7
Mitchell	3	51.7	0	0	3	51.7
Montgomery	33	68.2	0	1	34	70.2
Morris	3	65.2	0	0	3	65.2
Morton	2	44.4	0	0	2	44.4
Nemaha	8	75.5	0	0	8	75.5
Neosho	14	59.8	0	2	16	68.4
Ness	4	153.8	0	1	5	192.3
Norton	4	100.0	0	0	4	100.0
Osage	12	70.6	0	0	12	70.6
Osborne	5	116.3	0	0	5	116.3
Ottawa	1	13.0	0	0	1	13.0
Pawnee	7	145.8	1	0	8	166.7
Phillips	3	47.6	0	0	3	47.6
Pottawatomie	8	28.5	0	1	9	32.0
Pratt	8	53.3	0	1	9	60.0
Rawlins	1	35.7	0	0	1	35.7
Reno	45	63.8	0	2	47	66.7
Republic	0	0.0	0	0	0	0.0
Rice	4	23.5	0	1	5	29.4
Riley	36	13.6	0	11	47	17.8
Rooks	1	21.7	0	0	1	21.7
Rush	0	0.0	0	0	0	0.0
Russell	2	32.8	0	0	2	32.8
Saline	40	61.2	0	3	43	65.7
Scott	3	63.8	0	0	3	63.8
Sedgwick	422	71.1	2	63	487	82.0
Seward	38	100.8	0	3	41	108.8
Shawnee	135	66.3	3	21	159	78.1
Sheridan	1	55.6	0	0	1	55.6
Sherman	4	66.7	0	1	5	83.3
Smith	0	0.0	0	0	0	0.0
Stafford	2	45.5	0	1	3	68.2
Stanton	2	133.3	0	0	2	133.3
Stevens	6	87.0	0	1	7	101.4
Sumner	9	34.7	0	0	9	34.7
Thomas	6	28.6	0	5	11	52.4
Trego	0	0.0	0	0	0	0.0
Wabaunsee	3	42.9	0	1	4	57.1
Wallace	0	0.0	0	0	0	0.0
Washington	0	0.0	0	0	0	0.0
Wichita	1	43.5	0	0	1	43.5
Wilson	6	69.8	0	0	6	69.8
Woodson	3	111.1	0	0	3	111.1
Wyandotte	199	108.4	2	25	226	123.1
Kansas	1,989	50.7	13	298	2,300	58.6
Peer Group					0	
Frontier	64	56.3	0	6	70	61.6
Rural	154	55.4	1	15	170	61.2
Densely-Settled Rural	444	62.6	1	36	481	67.9
Semi-Urban	338	43.3	0	47	385	49.4
Urban	989	48.4	11	194	1,194	58.4

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 15. Pregnancies* by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	Teenage Pregnancies 2010-2014
Allen	17	12	16	4	10	59
Anderson	13	10	1	6	7	37
Atchison	24	20	17	22	16	99
Barber	5	3	7	4	7	26
Barton	38	37	29	23	33	160
Bourbon	17	27	27	15	23	109
Brown	13	18	11	8	12	62
Butler	59	39	62	39	43	242
Chase	2	0	1	1	0	4
Chautauqua	0	4	4	5	0	13
Cherokee	30	32	24	17	25	128
Cheyenne	0	1	0	2	1	4
Clark	0	2	1	2	0	5
Clay	8	10	6	7	8	39
Cloud	13	9	8	9	12	51
Coffey	5	5	5	3	5	23
Comanche	2	3	0	2	0	7
Cowley	52	50	47	44	41	234
Crawford	42	45	37	39	50	213
Decatur	1	5	1	6	4	17
Dickinson	20	25	17	10	15	87
Doniphan	4	4	9	9	4	30
Douglas	80	67	82	62	51	342
Edwards	3	1	2	1	3	10
Elk	2	2	2	2	3	11
Ellis	35	19	19	23	25	121
Ellsworth	3	2	1	2	1	9
Finney	80	84	71	59	59	353
Ford	69	67	62	50	52	300
Franklin	34	26	23	26	23	132
Geary	73	83	79	63	56	354
Gove	0	0	1	0	1	2
Graham	4	4	2	3	3	16
Grant	15	12	12	10	6	55
Gray	2	3	4	5	6	20
Greeley	0	0	0	0	0	0
Greenwood	8	9	10	5	6	38
Hamilton	5	5	5	5	1	21
Harper	4	5	5	7	6	27
Harvey	37	40	40	36	24	177
Haskell	6	5	13	4	7	35
Hodgeman	1	1	0	1	0	3
Jackson	20	8	5	11	11	55
Jefferson	7	11	10	6	6	40
Jewell	1	1	4	4	3	13
Johnson	292	283	269	231	225	1,300
Kearny	7	5	4	2	3	21
Kingman	6	7	5	7	1	26
Kiowa	0	1	2	1	3	7
Labette	46	25	22	17	18	128
Lane	0	0	0	0	1	1
Leavenworth	54	69	64	53	46	286
Lincoln	2	3	2	0	0	7
Linn	7	7	10	4	9	37
Logan	0	2	2	1	2	7

Table 15. Pregnancies* by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	Teenage Pregnancies 2010-2014
Lyon	50	42	33	33	33	191
Mcpherson	20	21	27	15	23	106
Marion	12	8	8	1	5	34
Marshall	6	12	3	7	5	33
Meade	3	8	0	6	3	20
Miami	27	22	21	24	18	112
Mitchell	3	5	0	6	3	17
Montgomery	53	40	49	40	34	216
Morris	7	3	6	4	3	23
Morton	5	2	4	1	2	14
Nemaha	6	5	4	10	8	33
Neosho	27	24	29	15	16	111
Ness	4	1	2	1	5	13
Norton	2	5	1	6	4	18
Osage	16	15	15	11	12	69
Osborne	4	4	1	7	5	21
Ottawa	6	1	2	3	1	13
Pawnee	5	6	5	1	8	25
Phillips	3	4	5	2	3	17
Pottawatomie	11	15	13	7	9	55
Pratt	6	14	15	9	9	53
Rawlins	2	1	2	3	1	9
Reno	66	59	51	58	47	281
Republic	2	5	2	3	0	12
Rice	9	14	9	10	5	47
Riley	71	77	60	57	47	312
Rooks	4	4	4	2	1	15
Rush	4	0	3	1	0	8
Russell	6	6	9	5	2	28
Saline	86	65	63	51	43	308
Scott	2	4	6	5	3	20
Sedgwick	676	633	562	545	487	2,903
Seward	46	59	52	37	41	235
Shawnee	227	220	203	178	159	987
Sheridan	0	2	3	1	1	7
Sherman	10	5	11	6	5	37
Smith	0	1	2	2	0	5
Stafford	4	3	8	4	3	22
Stanton	2	0	3	2	2	9
Stevens	8	4	7	7	7	33
Sumner	27	28	29	20	9	113
Thomas	8	9	11	8	11	47
Trego	2	1	0	2	0	5
Wabaunsee	1	2	9	8	4	24
Wallace	1	1	0	1	0	3
Washington	1	1	1	1	0	4
Wichita	2	1	2	0	1	6
Wilson	14	9	13	7	6	49
Woodson	7	4	2	0	3	16
Wyandotte	307	266	263	239	226	1,301
n.s.†	5	3	13	3	0	24
Kansas	3,144	2,962	2,808	2,453	2,300	13,667

*Pregnancies include the sum of live births, stillbirths and abortions.

†n.s. Not Stated

Residence data

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 16. Pregnancy* Rates† by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	5-year Rate
Allen	70.0	53.3	74.1	19.6	48.5	53.9
Anderson	158.5	135.1	12.3	72.3	85.4	92.0
Atchison	55.4	45.9	35.7	45.8	35.7	43.6
Barber	119.0	51.7	129.6	88.9	166.7	107.9
Barton	90.0	96.6	74.2	63.2	91.2	83.2
Bourbon	74.9	140.6	153.4	84.3	125.0	113.9
Brown	132.7	165.1	107.8	76.9	107.1	118.1
Butler	61.8	41.9	66.9	43.6	48.4	52.7
Chase	105.3	0.0	43.5	37.0	0.0	33.9
Chautauqua	0.0	111.1	129.0	138.9	0.0	79.3
Cherokee	116.3	138.5	103.0	77.6	106.8	108.9
Cheyenne	0.0	38.5	0.0	95.2	55.6	36.4
Clark	0.0	95.2	50.0	76.9	0.0	45.9
Clay	100.0	103.1	75.0	78.7	100.0	91.5
Cloud	72.2	48.9	44.7	55.9	71.0	58.4
Coffey	58.1	62.5	63.3	31.3	49.5	52.0
Comanche	222.2	187.5	0.0	90.9	0.0	79.5
Cowley	81.6	77.9	77.3	75.2	69.0	76.3
Crawford	46.7	49.1	46.2	47.5	61.8	50.2
Decatur	76.9	277.8	52.6	285.7	153.8	175.3
Dickinson	98.5	115.7	81.0	47.8	72.8	83.3
Doniphan	20.8	21.6	50.0	50.3	22.2	32.8
Douglas	21.4	16.8	22.6	17.1	13.7	18.3
Edwards	115.4	30.3	47.6	27.0	111.1	60.6
Elk	117.6	90.9	74.1	69.0	115.4	90.9
Ellis	50.8	26.0	31.4	38.9	42.6	37.8
Ellsworth	81.1	44.4	18.9	35.1	20.0	37.2
Finney	131.8	151.9	122.6	101.2	105.5	122.5
Ford	134.5	131.4	119.0	105.3	113.8	121.2
Franklin	89.2	70.8	63.2	72.8	64.6	72.3
Geary	132.5	201.9	199.0	167.6	148.1	167.5
Gove	0.0	0.0	43.5	0.0	33.3	15.5
Graham	235.3	200.0	100.0	125.0	103.4	145.5
Grant	151.5	129.0	137.9	98.0	55.6	112.5
Gray	24.7	34.1	54.8	64.1	64.5	48.4
Greeley	0.0	0.0	0.0	0.0	0.0	0.0
Greenwood	135.6	163.6	200.0	90.9	103.4	137.2
Hamilton	135.1	113.6	135.1	263.2	76.9	140.0
Harper	81.6	96.2	75.8	107.7	88.2	90.0
Harvey	75.7	75.5	74.8	71.6	47.2	69.0
Haskell	109.1	74.6	203.1	65.6	112.9	113.3
Hodgeman	43.5	35.7	0.0	41.7	0.0	26.5
Jackson	148.1	57.1	34.2	73.8	76.4	77.0
Jefferson	36.5	53.7	46.9	30.3	31.3	40.0
Jewell	71.4	38.5	137.9	181.8	100.0	107.4
Johnson	56.7	48.8	44.6	38.0	36.7	44.5
Kearny	137.3	111.1	87.0	50.0	66.7	92.5
Kingman	89.6	79.5	61.7	97.2	12.5	67.0
Kiowa	0.0	15.2	39.2	16.7	44.1	22.7
Labelle	147.0	97.7	96.5	74.9	83.7	103.3
Lane	0.0	0.0	0.0	0.0	45.5	10.5
Leavenworth	64.1	82.1	80.1	65.2	59.7	70.4
Lincoln	87.0	90.9	64.5	0.0	0.0	48.6
Linn	71.4	73.7	135.1	47.1	95.7	83.0
Logan	0.0	55.6	62.5	40.0	74.1	47.0

Table 16. Pregnancy* Rates† by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2010-2014

County of Residence	2010	2011	2012	2013	2014	5-year Rate
Lyon	63.1	47.9	41.0	40.5	40.1	46.5
Mcpherson	53.3	113.5	71.1	40.3	61.2	56.4
Marion	70.6	72.7	46.2	5.8	28.7	38.9
Marshall	64.5	32.0	31.9	83.3	57.5	70.5
Meade	78.9	131.1	0.0	95.2	44.8	68.3
Miami	74.4	69.4	60.3	64.3	47.7	63.0
Mitchell	51.7	90.9	0.0	81.1	51.7	55.9
Montgomery	89.8	77.5	99.8	78.9	70.2	83.5
Morris	118.6	52.6	127.7	75.5	65.2	87.8
Morton	116.3	57.1	153.8	25.0	44.4	74.1
Nemaha	81.1	49.5	35.1	87.0	75.5	64.7
Neosho	111.6	102.1	128.9	64.9	68.4	95.1
Ness	190.5	41.7	50.0	32.3	192.3	91.5
Norton	48.8	86.2	22.7	113.2	100.0	76.3
Osage	92.0	87.7	84.3	67.9	70.6	80.7
Osborne	142.9	88.9	22.7	212.1	116.3	108.8
Ottawa	139.5	23.3	37.0	40.0	13.0	44.5
Pawnee	90.9	98.4	80.6	18.2	166.7	89.0
Phillips	81.1	70.2	72.5	31.7	47.6	58.8
Pottawatomie	42.5	54.5	52.0	26.8	32.0	41.5
Pratt	33.9	85.9	95.5	60.4	60.0	66.6
Rawlins	111.1	37.0	83.3	120.0	35.7	73.8
Reno	71.5	71.2	66.1	78.8	66.7	70.9
Republic	64.5	104.2	41.7	76.9	0.0	58.8
Rice	47.6	69.3	47.9	56.8	29.4	50.8
Riley	25.2	26.1	22.9	21.7	17.8	22.8
Rooks	63.5	65.6	74.1	40.0	21.7	54.7
Rush	133.3	0.0	125.0	38.5	0.0	59.7
Russell	133.3	88.2	120.0	65.8	32.8	86.2
Saline	121.1	94.1	102.9	79.1	65.7	93.0
Scott	46.5	90.9	150.0	100.0	63.8	89.3
Sedgwick	101.8	101.4	91.5	90.8	82.0	93.8
Seward	117.6	154.9	148.1	98.7	108.8	125.3
Shawnee	104.0	106.6	97.7	84.9	78.1	94.4
Sheridan	0.0	117.6	115.4	41.7	55.6	70.0
Sherman	158.7	60.2	183.3	107.1	83.3	114.9
Smith	0.0	27.0	55.6	47.6	0.0	26.7
Stafford	93.0	62.5	177.8	90.9	68.2	98.2
Stanton	69.0	0.0	107.1	76.9	133.3	76.3
Stevens	125.0	45.5	93.3	111.1	101.4	91.9
Sumner	111.1	112.0	111.1	77.8	34.7	89.0
Thomas	37.0	32.1	62.5	41.0	52.4	43.6
Trego	87.0	30.3	0.0	60.6	0.0	32.5
Wabaunsee	13.9	30.8	136.4	127.0	57.1	71.4
Wallace	55.6	52.6	0.0	43.5	0.0	31.6
Washington	25.6	19.2	17.2	17.9	0.0	15.4
Wichita	153.8	45.5	80.0	0.0	43.5	60.6
Wilson	177.2	89.1	136.8	78.7	69.8	108.9
Woodson	241.4	181.8	90.9	0.0	111.1	130.1
Wyandotte	148.7	133.9	135.1	131.7	123.1	134.9
Kansas	77.6	72.2	70.8	62.4	58.6	68.4

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Figure 1. Pregnancy Rates for Selected Female Age-Groups
Kansas 1995-2014

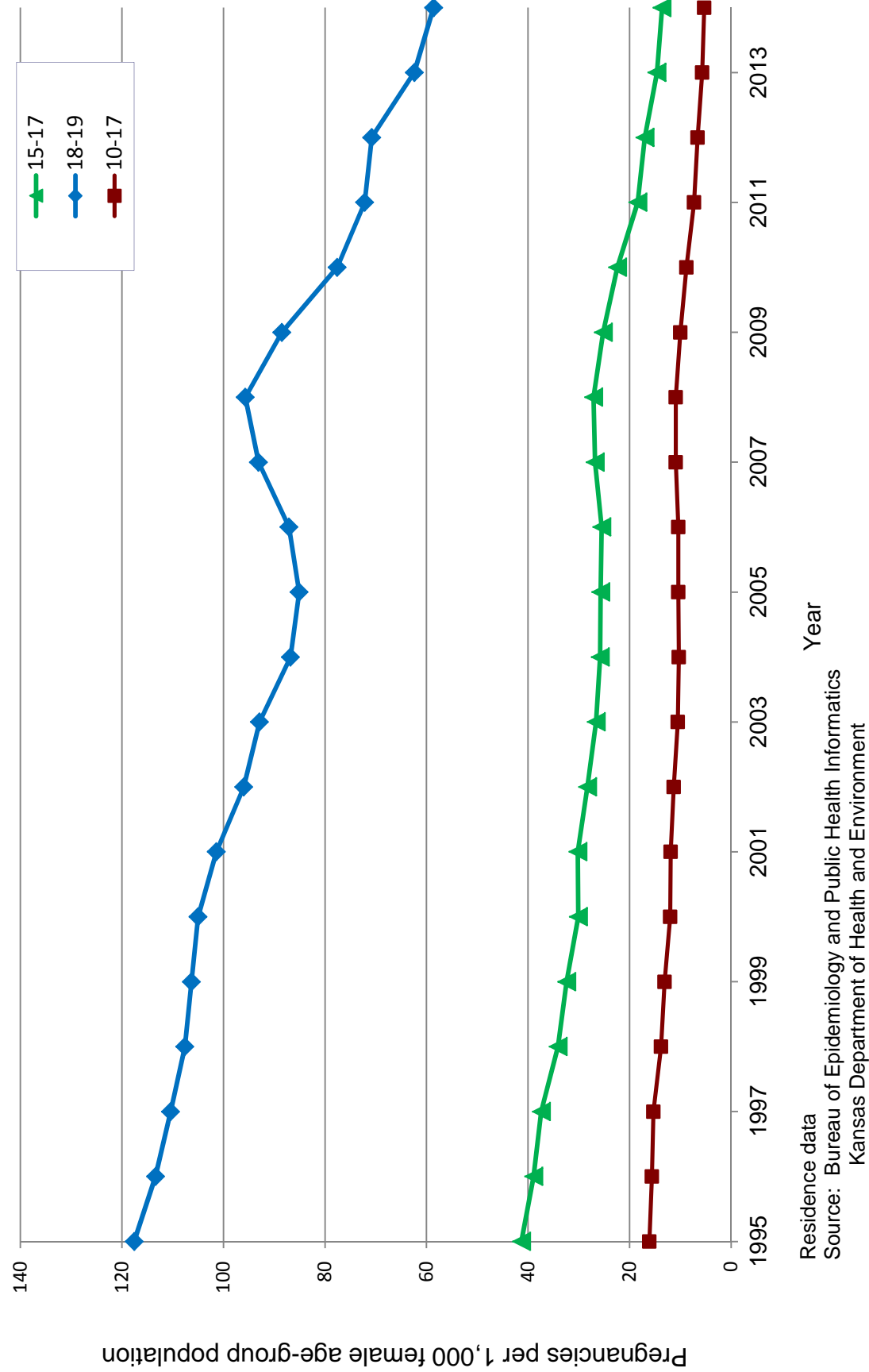
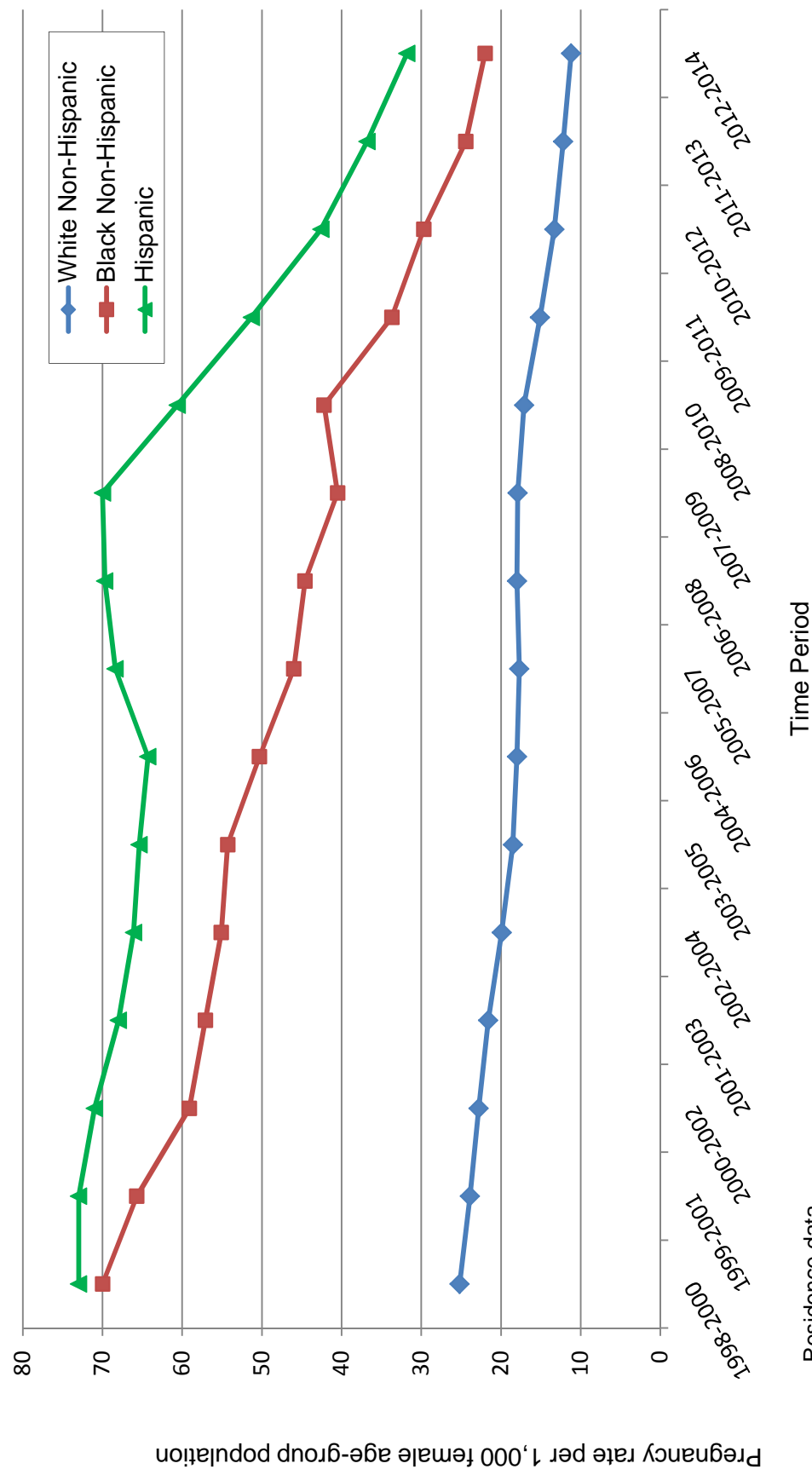
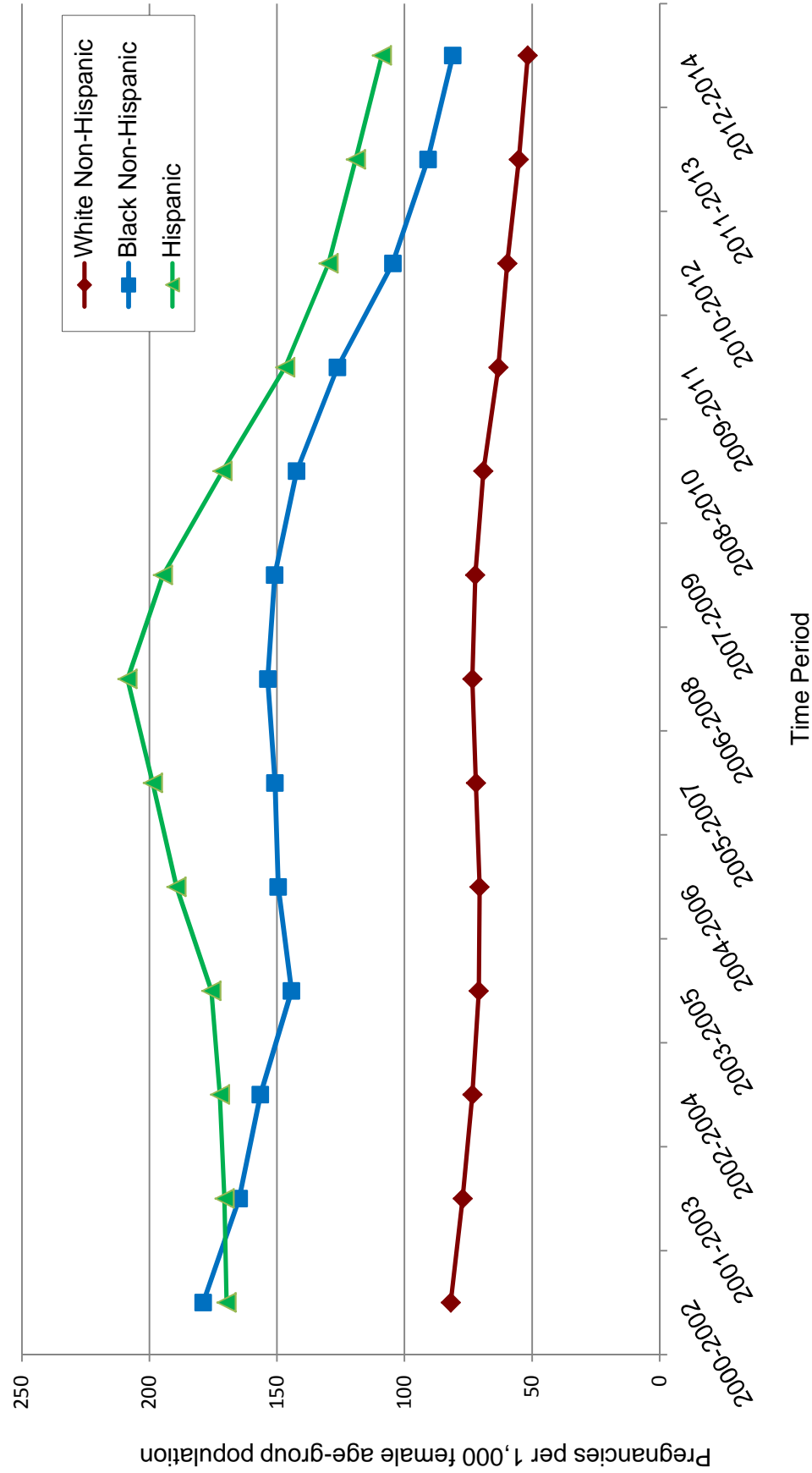


Figure 2. Three Year Rolling Average
Pregnancy Rates for Selected Population Groups
Females Aged 15-17 Years, Kansas, 1998-2014



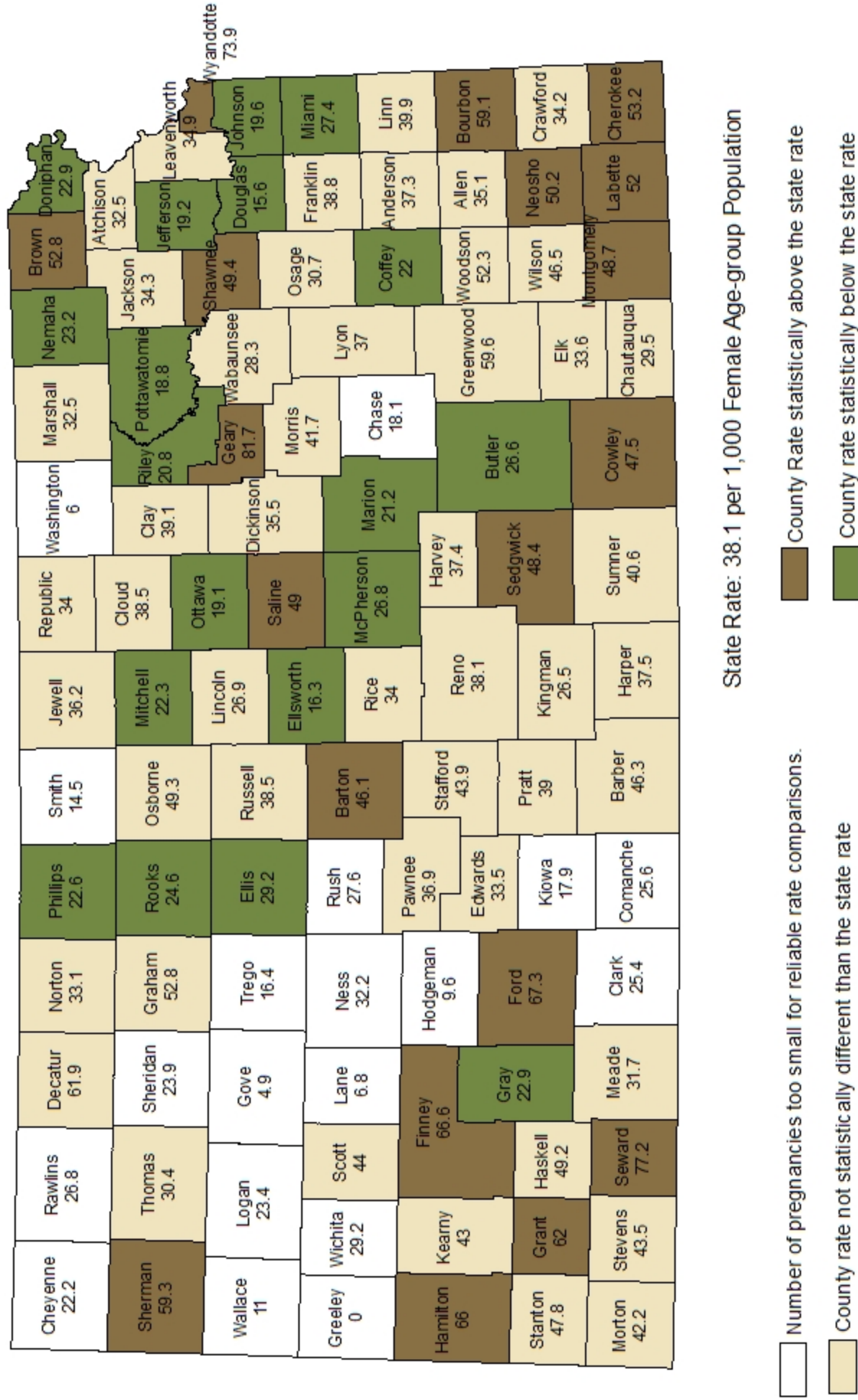
Residence data
Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Figure 3. Three Year Rolling Average
Pregnancy Rates for Selected Population Groups
Females Aged 18-19 Years, Kansas 2000-2014



Residence data
Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Figure 4. County Pregnancy Rates Relative to State Pregnancy Rate among Females Aged 15-19 Years, Kansas, 2010-2014



Technical Notes

Abortion (induced termination of pregnancy):	The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth [K.S.A. 65-2401 (4)].
Stillbirth:	Any complete expulsion or extraction from its mother of a product of human conception, the weight of which is in excess of 350 grams, irrespective of the duration of pregnancy, resulting in other than a live birth, and which is not an induced termination of pregnancy [K.S.A. 65-2401 (3)].
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, that, after such expulsion or extraction, shows any evidence of life such as breathing, heartbeat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached [K.S.A. 65-2401 (2)].
Residence Data:	Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state).
Teenage Pregnancy Components:	A live birth, stillbirth, or abortion occurring to a female under 20 years of age.
Teenage Pregnancy Rate:	$\frac{\text{live births, stillbirths, abortions for females in a specific age-group}}{\text{female population in the same specific age-group}} \times 1,000$

Rate Reliability

Vital statistics are easily influenced by random variation, and single-year rates can fluctuate from year to year. A multiple-year rate, such as a 5-year rate calculated as the sum of the numerators in each year divided by the sum of the denominators in each year and multiplied by 1,000 would be more accurate in formulating conclusions on vital events. For example, between 2010 and 2014, the adolescent and teen pregnancy rate for Kansas varied from 34.5 to 16.0 pregnancies per 1,000 females aged 10-19 years population. The 2010-2014 5-year teenage pregnancy rate was 19.4 (Table 5). The 5-year rate decreases the variability in single-year rate comparisons and is a more reliable indicator of teenage pregnancy rates in Kansas.

A small increase or decrease in the number of events in a small geographic area can have a major impact on a population-based rate. For example, in 2014 Stanton County had three pregnancies among women aged 10-19 and a population of 142 females

aged 10-19 years. Johnson County had 303 pregnancies among women aged 10-19 and a population of 38,381 females aged 10-19 years of age. The Stanton County rate was 21.1 pregnancies per 1,000 female age-group population, while the Johnson County rate was 7.9. Had five more pregnancies occurred to women aged 10-19 in each county, the Stanton County rate would have increased almost threefold to 56.3 pregnancies per 1,000 female age-group population, and the Johnson County rate, by comparison, would have increased fractionally to 8.0 pregnancies per 1,000 female age-group population. Readers should use caution to avoid misleading conclusions when comparing rates of vital events between geographic areas with significantly different populations.

Unknowns

County of residence is collected for all vital events that occur in Kansas. However, some states that share vital event data with Kansas may not collect the county of residence (this is the case with several states that collect abortion data), or may not include it in their data export to the KDHE Office of Vital Statistics. Events for which the county of residence is not known are included in the state total and in the “Unknown” row in tables that break down pregnancy outcomes by county.

Population

1988-1989, 1991-1999, 2002-2009 and 2011-2014 female age-group population estimates and actual population counts for 1990, 2000 and 2010 were obtained from the U.S. Census Bureau on the Internet at: <http://www.census.gov/popest/estimates.php>. The 2001 female age-group population estimates were compiled by the Kansas Department of Health and Environment based on the 2000 Census counts.

2003-2014 female age-group county population estimates were obtained from the Bridged-race Vintage 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013 and 2014 postcensal series by year, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement between the National Center for Health Statistics (NCHS) and the U.S. Census Bureau. The population data are at the Centers for Disease Control and Prevention website at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

Peer Groups

For various demographic studies, it is useful to consider groups of counties with similar characteristics. “Peer Groups” of counties, as used in this summary, are defined as those with similar population density based on their 2000 or 2010 actual census counts. In order to facilitate a time series comparison, the assignment of counties to their peer group remains unchanged until the next decennial census. They will not necessarily have similar values for any other indicators. Frontier counties are defined as those with less than 6.0 persons per square mile, Rural counties as those with 6.0 - 19.9 persons per square mile, Densely-Settled Rural counties as those with 20.0 - 39.9 persons per square mile, Semi-Urban counties as those with 40.0 - 149.9 persons per square mile, and Urban counties as those with 150.0 or more persons per square mile. These definitions originated with the Kansas Department of Health and Environment, Office of

Local and Rural Health, and should *not* be confused with the U.S. Census Bureau's (USCB) definitions of urban and rural areas. Sources for calculation of population densities are population figures from the 2000 U.S. Census and land areas from the 2000 U.S. Census (for years before 2010). For 2010, populations and land areas were taken from the 2010 U.S. Census.

Counties are grouped in population density peer groups as follows:

Frontier	Stanton	Thomas	Franklin
Barber	Trego	Wabaunsee	Geary
Chase	Wallace	Washington	Harvey
Chautauqua	Wichita	Wilson	Miami
Cheyenne		Woodson	Montgomery
Clark	Rural		Reno
Comanche	Anderson	Densely-Settled	Riley
Decatur	Brown	Rural	Saline
Edwards	Clay	Allen	
Elk	Cloud	Atchison	Urban
Gove	Coffey	Barton	Douglas
Greenwood	Ellsworth	Bourbon	Johnson
Graham	Grant	Cherokee	Leavenworth
Greeley	Gray	Cowley	Sedgwick
Hamilton	Harper	Dickinson	Shawnee
Hodgeman	Haskell	Doniphan	Wyandotte
Jewell	Kingman	Ellis	
Kearny	Linn	Finney	
Kiowa	Marion	Ford	
Lane	Marshall	Jackson	
Lincoln	Mitchell	Jefferson	
Logan	Morris	Labette	
Meade	Nemaha	Lyon	
Morton	Norton	McPherson	
Ness	Ottawa	Neosho	
Osborne	Pawnee	Osage	
Rawlins	Phillips	Pottawatomie	
Rooks	Pratt	Seward	
Rush	Republic	Sumner	
Sheridan	Rice		
Sherman	Russell	Semi-Urban	
Smith	Scott	Butler	
Stafford	Stevens	Crawford	

Statistical Significance

The following methods have been applied where statistically significant differences have been noted in the document. When Kansas data are evaluated by county, small numbers of events may affect rate reliability. The relative standard error was used to determine if the number of events was large enough to calculate stable rates. Values with a relative standard error of 30 percent or less were considered reliable. This is consistent with standard National Center for Health Statistics (NCHS) practice [1, 2].

Statistical significance was determined using confidence intervals calculated at the 95 percent level. When the number of events was greater than or equal to 100, the normal distribution was used. When the number of events was less than 100 the poisson distribution was used. This is the scientific standard estimation of significance. If confidence intervals do not overlap, the difference between the rates is statistically significant [3].

1. Mathews TJ, MacDorman MF. (2010). Infant mortality statistics from the 2006 period linked birth/infant death data set. National Vital Statistics Reports; vol 58 no 17. Hyattsville, MD: National Center for Health Statistics. 2010.
2. Cohen RA, Martinez, ME. (2009). Consumer-directed health care for persons under 65 years of age with private health insurance: United States, 2007. NCHS data brief, no. 15. Hyattsville, MD: National Center for Health Statistics, pg. 8.
3. Washington State Health Department. (2006). Guidelines for using confidence intervals for public health assessment. [Cited: 16 Dec 2011], Available from <http://www.doh.wa.gov/data/Guidelines/guidelines.htm>

Kansas Department of Health and Environment
Office of Vital Statistics

CERTIFICATE OF STILLBIRTH (FETAL DEATH)

State File Number

1. NAME (First, Middle, Last, Suffix)		2. DATE OF DELIVERY (Month, Day, Year)	3. TIME OF DELIVERY <div style="text-align: right;">M</div>
4. SEX	5. CITY, TOWN, OR LOCATION OF DELIVERY		6. COUNTY OF DELIVERY
7. PLACE OF DELIVERY <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Delivery <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Other (Specify) _____		8. FACILITY NAME (If not institution, give street and number and zip code)	
9. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			10. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE
11. DATE OF BIRTH (Month, Day, Year)	12. BIRTHPLACE (State, Territory, or Foreign Country)		13. PRESENT RESIDENCE-STATE
14. COUNTY	15. CITY, TOWN, OR LOCATION	16. STREET AND NUMBER OF PRESENT RESIDENCE	
17. ZIPCODE	18. INSIDE CITY LIMITS? <div style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</div>	19. MOTHER'S MAILING ADDRESS (If same as residence, leave blank)	
20. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		21. DATE OF BIRTH (Month, Day, Year)	22. BIRTHPLACE (State, Territory, or Foreign Country)
23. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. Signature of Parent (or Other Informant) ➤ _____			24. DATE SIGNED (Month, Day, Year)
25. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH			
25a. INITIATING CAUSE/CONDITION (Among the choices below, please select the <u>one</u> which most likely began the sequence of events resulting in the death of the fetus.)			
Maternal Conditions/Diseases (Specify) _____			
Complications of Placenta, Cord, or Membranes – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord			
<input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____		Fetal Anomaly (Specify) _____	
Fetal Injury (Specify) _____		Fetal Infection (Specify) _____	
Other Fetal Conditions/Disorders (Specify) _____		<input type="checkbox"/> Unknown	
25b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (Select or specify all other conditions contributing to death in item 25a.)			
Maternal Conditions/Diseases (Specify) _____			
Complications of Placenta, Cord, or Membranes – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord			
<input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____		Fetal Anomaly (Specify) _____	
Fetal Injury (Specify) _____		Fetal Infection (Specify) _____	
Other Fetal Conditions/Disorders (Specify) _____		<input type="checkbox"/> Unknown	
26. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death		27a. WAS AN AUTOPSY PERFORMED? <div style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned</div>	27b. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <div style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned</div>
		27c. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <div style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</div>	
28. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD. Signature ➤ _____		29. DATE SIGNED (Month, Day, Year)	30. ATTENDANT'S NAME AND TITLE (If delivery not attended by physician) Name (Type) _____ <div style="text-align: center;"><input type="checkbox"/> CNM/CM <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____</div>
31. CERTIFIER'S NAME AND TITLE (Type) <div style="text-align: center;"><input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Other (Specify) _____</div>		32. CERTIFIER'S MAILING ADDRESS (Street and Number or Rural Route, City or Town, State, Zip Code)	
		33a. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Donation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____	
33b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)		33c. LOCATION (City or Town, and State)	
34. FUNERAL DIRECTOR OR HOSPITAL ADMINISTRATOR Signature ➤ _____		35. FIRM OR HOSPITAL NAME AND ADDRESS	
		36. DATE FILED BY STATE REGISTRAR (Month, Day, Year)	

CONFIDENTIAL INFORMATION FOR INTERNAL USE ONLY

37. IF HOME DELIVERY, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				38. PATER'S MEDICAL RECORD NO.			
39a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		39b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown					
40. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "no" box if the parent is not Spanish, Hispanic, or Latino.)		41. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)					
40a. MOTHER- <input type="checkbox"/> No, not Spanish/Hispanic/Latina <input type="checkbox"/> Yes, Mexican/Mexican American/Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) <input type="checkbox"/> Unknown		40b. FATHER- <input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) <input type="checkbox"/> Unknown		41a. MOTHER <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Unknown		41b. FATHER <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Unknown	
42. ANCESTRY - What is the parents' ancestry or ethnic origin? - Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)		43. OCCUPATION AND BUSINESS/INDUSTRY					
		Occupation		Business/Industry (Do not give name of company.)			
42a. MOTHER		43a. MOTHER (Most recent)		43c. MOTHER			
42b. FATHER		43b. FATHER (Usual)		43d. FATHER			
44. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)							
44a. MOTHER'S EDUCATION <input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)		<input type="checkbox"/> 9 th - 12 th grade, no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		<input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)			
44a. FATHER'S EDUCATION <input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Unknown <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)		<input type="checkbox"/> 9 th - 12 th grade, no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		<input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)			
45. PREVIOUS LIVE BIRTHS (Do not include this child.)		46. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)		47. PLURALITY - Single, Twin, Triplet, etc. (Specify)			
45a. Now living Number <input type="checkbox"/> None		45b. Now dead Number <input type="checkbox"/> None		48. IF NOT A SINGLE BIRTH - Born First, Second, Third, etc. (Specify)			
45c. DATE OF LAST LIVE BIRTH (Month, Year)		45d. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		49. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)			
45e. DATE OF LAST LIVE BIRTH (Month, Year)		45f. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		50. OBSTETRIC ESTIMATE OF GESTATION (Completed Weeks)			
52. PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> No		53. DATE OF FIRST PRENATAL CARE VISIT (Month, Day, Year)		54. DATE OF LAST PRENATAL CARE VISIT (Month, Day, Year)			
56. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked per day. If none, enter "0". Average number of cigarettes or packs of cigarettes smoked per day: Three months before pregnancy: _____ cigarettes or _____ packs First three months of pregnancy: _____ cigarettes or _____ packs Second three months of pregnancy: _____ cigarettes or _____ packs Third Trimester of pregnancy: _____ cigarettes or _____ packs		57. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other <input type="checkbox"/> Unknown					
58a. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)		58b. FACILITY TRANSFERRED FROM:					

PRENATAL	LABOR-DELIVERY/STILLBORN FETUS
<p>59. NUTRITION OF MOTHER</p> <p>1. Height _____</p> <p>2. Prepregnancy Weight _____</p> <p>3. Weight at delivery _____</p> <p>4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____</p> <p>60. MEDICAL RISK FACTORS (Check all that apply.)</p> <p>1. <input type="checkbox"/> Diabetes, prepregnancy</p> <p>2. <input type="checkbox"/> Diabetes, gestational</p> <p>3. Hypertension <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia</p> <p>4. <input type="checkbox"/> Previous preterm birth</p> <p>5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.)</p> <p>6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor</p> <p>7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))</p> <p>8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many Number _____</p> <p>9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____</p> <p>10. <input type="checkbox"/> None of the above</p> <p>61. METHOD OF DELIVERY</p> <p>1. Forceps attempted? Yes _____ No _____ Successful: Yes _____ No _____</p> <p>2. Vacuum extraction attempted? Yes _____ No _____ Successful: Yes _____ No _____</p> <p>3. Fetal presentation at delivery <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other</p> <p>4. Final route and method of delivery (check one) <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum <input type="checkbox"/> Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____</p> <p>5. Hysterotomy/Hysterectomy Yes _____ No _____</p>	<p>62. MATERNAL MORBIDITY (Check all that apply.) (These are complications associated with labor and delivery.)</p> <p>1. <input type="checkbox"/> Maternal transfusion</p> <p>2. <input type="checkbox"/> Third or fourth degree perineal laceration</p> <p>3. <input type="checkbox"/> Ruptured uterus</p> <p>4. <input type="checkbox"/> Unplanned hysterectomy</p> <p>5. <input type="checkbox"/> Admission to intensive care unit</p> <p>6. <input type="checkbox"/> Unplanned operating room procedure following delivery</p> <p>7. <input type="checkbox"/> None of the above</p> <p>63. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.)</p> <p>1. <input type="checkbox"/> Gonorrhea</p> <p>2. <input type="checkbox"/> Syphilis</p> <p>3. <input type="checkbox"/> Herpes Simplex Virus (HSV)</p> <p>4. <input type="checkbox"/> Chlamydia</p> <p>5. <input checked="" type="checkbox"/> Listeria</p> <p>6. <input type="checkbox"/> Group B Streptococcus</p> <p>7. <input type="checkbox"/> Cytomegalovirus</p> <p>8. <input type="checkbox"/> Parvo virus</p> <p>9. <input type="checkbox"/> Toxoplasmosis</p> <p>10. <input type="checkbox"/> AIDS or HIV antibody</p> <p>11. <input type="checkbox"/> None of the above</p> <p>12. <input type="checkbox"/> Other (Specify) _____</p> <p>64. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.)</p> <p>1. <input type="checkbox"/> Anencephaly</p> <p>2. <input checked="" type="checkbox"/> Meningocele/Spina bifida</p> <p>3. <input type="checkbox"/> Cyanotic congenital heart disease</p> <p>4. <input type="checkbox"/> Congenital diaphragmatic hernia</p> <p>5. <input type="checkbox"/> Omphalocele</p> <p>6. <input type="checkbox"/> Gastroschisis</p> <p>7. <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes)</p> <p>8. <input type="checkbox"/> Cleft Lip with or without Cleft Palate</p> <p>9. <input type="checkbox"/> Cleft Palate alone</p> <p>10. <input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending</p> <p>11. <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending</p> <p>12. <input type="checkbox"/> Hypospadias</p> <p>13. <input type="checkbox"/> Fetal alcohol syndrome</p> <p>14. <input type="checkbox"/> Other congenital anomalies (Specify) _____</p> <p>15. <input type="checkbox"/> None of the above</p>

THIS IS NOT PART OF THE CERTIFICATE OF STILLBIRTH

Test required by K.S.A. 65-153F, 153G

Serological Test Made: _____ 1st _____ 2nd _____ 3rd (Trimester) _____ At Delivery _____ Not Performed

If no test made, state reason: _____

Kansas Department of Health and Environment
Office of Vital Statistics

CERTIFICATE OF LIVE BIRTH

115-

State File Number

1. CHILD'S NAME (First, Middle, Last, Suffix)			2. DATE OF BIRTH (Month, Day, Year)		3. TIME OF BIRTH M		
4. SEX		5. BIRTH WEIGHT (Grams)		6. CITY, TOWN, OR LOCATION OF BIRTH		7. COUNTY OF BIRTH	
8. PLACE OF BIRTH <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Birth <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Other (Specify) _____				9. FACILITY NAME (If not institution, give street and number)			
10. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. Certifier's Signature ➤ _____			11. DATE SIGNED (Month, Day, Year)		12. ATTENDANT'S NAME AND TITLE (Type) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____		
13. Certifier's Name and Title (Type) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Hosp Adm. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____			14. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route, City, or Town, State, Zip Code)				
15. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)				16. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE			
17. DATE OF BIRTH (Month, Day, Year)		18. BIRTHPLACE (State, Territory, or Foreign Country)		19. PRESENT RESIDENCE-STATE			
20. COUNTY		21. CITY, TOWN, OR LOCATION		22. STREET AND NUMBER OF PRESENT RESIDENCE			
23. ZIP CODE		24. INSIDE CITY LIMITS? <input type="checkbox"/> YES <input type="checkbox"/> NO		25. MOTHER'S MAILING ADDRESS (If same as residence, leave blank)			
26. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			27. DATE OF BIRTH (Month, Day, Year)		28. BIRTHPLACE (State, Territory, or Foreign Country)		
29. PARENTS REQUEST SOCIAL SECURITY NUMBER ISSUANCE? <input type="checkbox"/> YES <input type="checkbox"/> NO			30. IMMUNIZATION REGISTRY I wish to enroll my child in the Immunization Registry <input type="checkbox"/> YES <input type="checkbox"/> NO				
31. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. Signature of Parent (or Other Informant) ➤ _____			32. DATE SIGNED (Month, Day, Year)		33. DATE FILED BY STATE REGISTRAR (Month, Day, Year) (Vital Statistics only)		

CHILD'S NAME _____

MOTHER'S NAME _____

PRENATAL (Birth)		LABOR-DELIVERY/NEWBORN				
63. NUTRITION OF MOTHER (Check all that apply.) 1. Height _____ 2. Prepregnancy Weight _____ 3. Weight at delivery _____ 4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____		66. OBSTETRICAL PROCEDURES (Check all that apply.) 1. <input type="checkbox"/> Cervical cerclage 2. <input type="checkbox"/> Tocolysis 3. External cephalic version: <input type="checkbox"/> Successful <input type="checkbox"/> Failed 4. <input type="checkbox"/> None of the above				
64. MEDICAL RISK FACTORS (Check all that apply.) 1. <input type="checkbox"/> Diabetes, prepregnancy 2. <input type="checkbox"/> Diabetes, gestational 3. Hypertension <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia 4. <input type="checkbox"/> Previous preterm birth 5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.) 6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor 7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT)) 8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many? Number: _____ 9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____ 10. <input type="checkbox"/> None of the above		70. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.) 1. <input type="checkbox"/> Gonorrhea 2. <input type="checkbox"/> Syphilis 3. <input type="checkbox"/> Herpes Simplex Virus (HSV) 4. <input type="checkbox"/> Chlamydia 5. <input type="checkbox"/> Hepatitis B 6. <input type="checkbox"/> Hepatitis C 7. <input type="checkbox"/> AIDS or HIV antibody 8. <input type="checkbox"/> None of the above				
		71. ABNORMAL CONDITIONS OF NEWBORN (Check all that apply) 1. <input type="checkbox"/> Assisted ventilation required immediately following delivery 2. <input type="checkbox"/> Assisted ventilation required for more than six hours 3. <input type="checkbox"/> NICU admission 4. <input type="checkbox"/> Newborn given surfactant replacement therapy 5. <input type="checkbox"/> Antibiotics received by the newborn for suspected neonatal sepsis 6. <input type="checkbox"/> Seizure or serious neurologic dysfunction 7. <input type="checkbox"/> Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention) 8. <input type="checkbox"/> None of the above				
		72. VACCINES ADMINISTERED TO NEWBORN 1. <input type="checkbox"/> Hepatitis B Date Given: _____ 2. <input type="checkbox"/> Other* Specify: _____ Date Given: _____				
		73. APGAR SCORE <table border="1"> <tr> <td>1 min</td> <td>5 min</td> <td>10 min</td> </tr> </table>		1 min	5 min	10 min
1 min	5 min	10 min				
65. METHOD OF DELIVERY 1. Forceps attempted? Yes _____ No _____ Successful Yes _____ No _____ 2. Vacuum extraction attempted? Yes _____ No _____ Successful Yes _____ No _____ 3. Fetal presentation at delivery <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other 4. Final route and method of delivery (check one) <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum <input type="checkbox"/> Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____		68. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply.) 1. <input type="checkbox"/> Induction of labor 2. <input type="checkbox"/> Augmentation of labor 3. <input type="checkbox"/> Non-vertex presentation 4. <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery 5. <input type="checkbox"/> Antibiotics received by the mother during labor 6. <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature $\geq 38^{\circ}\text{C}$ (100.4°F) 7. <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid 8. <input type="checkbox"/> Fetal intolerance of labor: (examples: in-utero resuscitative measures, further fetal assessment, or operative delivery) 9. <input type="checkbox"/> Epidural or spinal anesthesia during labor 10. <input type="checkbox"/> None of the above				
		69. MATERNAL MORBIDITY (Check all that apply.) (These are complications associated with labor and delivery.) 1. <input type="checkbox"/> Maternal transfusion 2. <input type="checkbox"/> Third or fourth degree perineal laceration 3. <input type="checkbox"/> Ruptured uterus 4. <input type="checkbox"/> Unplanned hysterectomy 5. <input type="checkbox"/> Admission to intensive care unit 6. <input type="checkbox"/> Unplanned operating room procedure following delivery 7. <input type="checkbox"/> None of the above				
		74. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.) 1. <input type="checkbox"/> Anencephaly 2. <input type="checkbox"/> Meningocele/Spina bifida 3. <input type="checkbox"/> Cyanotic congenital heart disease 4. <input type="checkbox"/> Congenital diaphragmatic hernia 5. <input type="checkbox"/> Omphalocele 6. <input type="checkbox"/> Gastroschisis 7. <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes) 8. <input type="checkbox"/> Cleft Lip with or without Cleft Palate 9. <input type="checkbox"/> Cleft Palate alone 10. <input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 11. <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 12. <input type="checkbox"/> Hypospadias 13. <input type="checkbox"/> Fetal alcohol syndrome 14. <input type="checkbox"/> Other congenital anomalies (Specify) _____ 15. <input type="checkbox"/> None of the above				

Parent's Telephone Number: _____

CHILD'S NAME _____

MOTHER'S NAME _____

Test required by K.S.A. 65-153f 153G Serological Test Made: _____ 1 st _____ 2 nd _____ 3 rd (Trimester) _____ At Delivery _____ Not Performed If no test made, state reason:	Test required by K.S.A. 65-180 Infant Neonatal Screening specimen taken: _____ Yes _____ No Kit Number _____ If no test made, state reason:	Test required by K.S.A. 65-1157A Newborn Hearing Screening Accomplished: _____ Yes _____ No	
Infant's patient number:			
Infant's Primary Care Physician			
First	Middle	Last	Title (MD, DO, etc.)
If screening accomplished, Date hearing screened _____ / _____ / _____ <div style="text-align: center; font-size: small;">Month Day Year</div>		The results of the hearing screening ✓ : Right ear: _____ Pass _____ Refer for further testing Left ear: _____ Pass _____ Refer for further testing	
Physiologic equipment used ✓ : _____ OAE _____ AABR _____ ABR			
If screening not accomplished, ✓ one reason: <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> _____ b – missed appointment _____ c – could not test _____ d – deceased _____ i – Incomplete test _____ m – Infant discharged before screening _____ n – transferred to NICU </div> <div style="width: 48%;"> _____ o – other _____ r – did not consent _____ s – scheduled but not completed _____ t – transferred to another hospital _____ u – no information _____ x – invalid results </div> </div>			

TYPE
OR
PRINT IN
PERMANENT
INK

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
Bureau of Epidemiology and Public Health Informatics
Curtis State Office Building, Suite 130
1000 SW Jackson
Topeka, Kansas 66612-1354
785-296-8627

Report of Induced Termination of Pregnancy

State File Number

INSTRUCTIONS SEE HANDBOOK

1. Provider Identification Number			
2. Patient ID Number	3. Age on Last Birthday	4. Married <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date of Pregnancy Termination <div> <div>Month</div> <div>Day</div> <div>Year</div> </div>
6a. Residence US State or Country	6b. County	6c. City or Town	6d. Inside City Limits <input type="checkbox"/> Yes <input type="checkbox"/> No
7a. Hispanic Origin (Check the box or boxes that best describes whether the individual is Spanish, Hispanic, or Latina, or not Spanish, Hispanic, or Latina) <div> <input type="checkbox"/> Not Spanish, Hispanic, or Latina <input type="checkbox"/> Mexican, Mexican American, or Chicana <input type="checkbox"/> Puerto Rican <input type="checkbox"/> Cuban <input type="checkbox"/> Central American <input type="checkbox"/> South American <input type="checkbox"/> Other Spanish, Hispanic, or Latina (specify) _____ <input type="checkbox"/> Unknown </div>		7b. Ancestry (Enter the name of the country that best describes the heritage or origin of the individual)	
		8. Race (Check one or more races to indicate what the individual considers herself to be) <div> <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native Principal Tribe(s) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (specify) _____ <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Unknown </div>	
		9. Education (specify only highest grade completed) <div> <input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th-12th grade no diploma <input type="checkbox"/> High school graduate/GED <input type="checkbox"/> Some College - no degree <input type="checkbox"/> Associate degree <input type="checkbox"/> Bachelor's degree <input type="checkbox"/> Master's degree <input type="checkbox"/> Doctorate <input type="checkbox"/> Unknown </div>	
10. Date Last Normal Menses Began <div> <div>Month</div> <div>Day</div> <div>Year</div> </div>		11. Clinical Estimate of Gestation (Weeks) (1)	
		12. Previous Pregnancies (Enter number or zero in every section)	
		Live Births	
		12a. Now Living	12b. Now Dead
		12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)
13 TERMINATION PROCEDURES			
13a. Procedure that terminated pregnancy (Check only one) <div> <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> Other (Specify) _____ </div>		13b. Additional procedures used for this termination, if any (Check all that apply) <div> <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> Other (Specify) _____ </div>	
14. Reasons for determining gestational age - describe methods used			
15. Was Report of physical, mental, or emotional abuse or neglect filed pursuant to K.S.A. 38-2223 YES <input type="checkbox"/> NO <input type="checkbox"/>			

1 If clinical estimate of gestational age is 22 weeks or more, complete reverse side of form

2 If Partial Birth Procedure as defined by KSA 65-6721 is used, complete reverse side of form

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Complete the following items only if the clinical estimate of gestational age is 22 weeks or more

16a Was fetus viable?

☐ YES

☐ NO

16b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete 17a-c only if 16a is yes

17a Was this abortion necessary to
(Check all that apply)

☐ Prevent patient's death

☐ Prevent substantial and irreversible impairment of a major bodily function

17b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

17c Basis for determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete the following items only if a partial birth procedure was performed

18a Was fetus viable?

☐ YES

☐ NO

18b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete 19a-b only if 18a is yes

19a Was this abortion necessary to
(Check all that apply)

☐ Prevent patient's death

☐ Prevent substantial and irreversible physical impairment of a major bodily function

19b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes